

# Converting Colors

XYZ(141.0650, 218.1056,  
124.9317)

Have a look what the booklet for  
XYZ(141.0650, 218.1056, 124.9317)  
contains.

**XYZ(77.6439, 91.1186, 103.9379) ..... 3**

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# Color

**XYZ(77.6439, 91.1186,  
103.9379)**

# Conversions

| Conversions Part 1 |                              |
|--------------------|------------------------------|
| Format             | Color                        |
| Hex                | CBFFFA                       |
| RGB                | 203, 255, 250                |
| RGB Percent        | 80%, 100%, 98%               |
| CMY                | 0.2039, 0.0000, 0.0196       |
| CMYK               | 0.20, 0.00, 0.02, 0.00       |
| HSL                | 174°, 100%, 90%              |
| HSV                | 174°, 20%, 100%              |
| XYZ                | 77.6439, 91.1186, 103.9379   |
| YIQ                | 238.8820, -29.3870, -12.5790 |

# Conversions

## Conversions Part 2

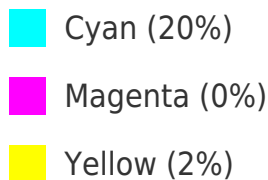
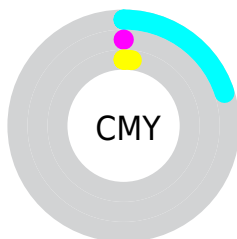
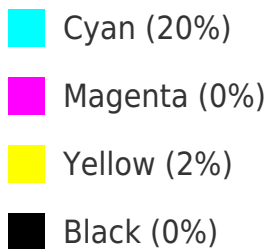
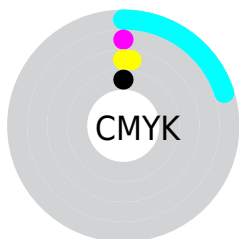
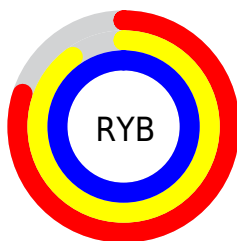
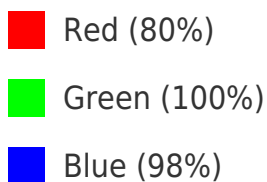
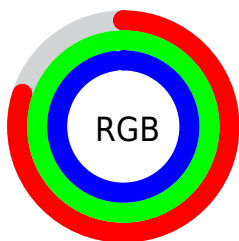
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">203, 230, 255</a>               |
| Decimal                             | <a href="#">13369338</a>                    |
| CIELab                              | <a href="#">96.46, -17.33, -3.03</a>        |
| CIELCh                              | <a href="#">96, 17.595, 189.918</a>         |
| Yxy                                 | <a href="#">91.1186, 0.2847, 0.3341</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4291559418</a><br>(0xFFCBBFFFA) |
| YUV                                 | <a href="#">238.8820, 5.4812, -31.4685</a>  |
| Hunter-Lab                          | <a href="#">95.4561, -21.8563, 2.2610</a>   |

# Details

The XYZ color **77.6439, 91.1186, 103.9379** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.9818, 68.5272, 69.0028**, and the grayscale version is **81.9272, 86.1938, 93.8650**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1444, 50.5791, 58.5804** is the 20% darker color. If you saturate the color by 10%, you get **70.8798, 87.6757, 101.6292**, and if you desaturate by 10%, it is **85.5572, 95.1533, 106.3294**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6439, 91.1186, 103.9379 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.6439, 91.1186, 103.9379 by changing the saturation by 10% instead.




 77.6439, 91.1186,  
103.9379

 77.6439, 91.1186,  
103.9379


475.8150,  
531.6629, 594.0997

 58.0833, 68.9088,  
78.9582


129.0160,  
148.8912, 168.6572

 42.1191, 50.6374,  
58.3403


161.5583,  
185.2228, 209.2339

 29.3861, 35.9201,  
41.6658


199.1584,  
227.0304, 255.8466

 19.5188, 24.3725,  
28.5161

242.1817,  
274.6985, 308.9138

 12.1520, 15.6102,  
18.4726

290.9937,  
328.6113, 368.8543

 6.9202, 9.2487,  
11.1169


345.9597,


 3.4581, 4.9038,


389.1535, 436.0863


6.0303


407.4450,  
456.7092, 511.0286


 1.4004, 2.1909,  
2.7945


 0.2565, 0.7150,  
0.9907

 77.6439, 91.1186,  
103.9379


 77.6439, 91.1186,  
103.9379

 70.8798, 87.6757,  
101.6292


 85.5572, 95.1533,  
106.3294


 65.2060, 84.7943,  
99.3961


94.6686, 99.8051,  
108.8016


 60.5631, 82.4438,  
97.2371


95.0500, 100.0000,  
108.9000

 56.8846, 80.5899,  
95.1491

 54.0965, 79.1943,  
93.1284

 52.1136, 78.2134,  
91.1709

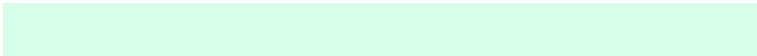
 50.8344, 77.5947,  
89.2719

 50.1117, 77.2607,  
87.4948

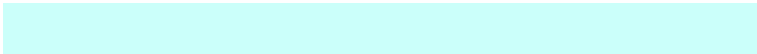
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0466, 91.1186, 90.2248



77.6439, 91.1186, 103.9379



79.5720, 91.1186, 117.5730

# Triad

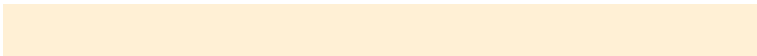
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6439, 91.1186, 103.9379



92.7992, 91.1186, 121.4026



89.8842, 91.1186, 75.9463

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



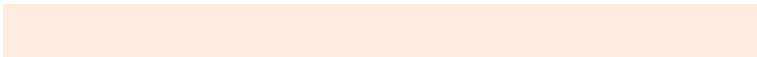
77.6439, 91.1186, 103.9379



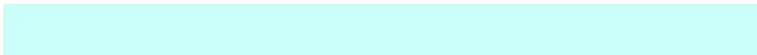
73.9818, 68.5272, 69.0028

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.0417, 91.1186, 82.8708



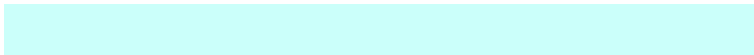
77.6439, 91.1186, 103.9379



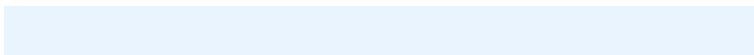
95.7683, 91.1186, 108.7784

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6439, 91.1186, 103.9379



88.2401, 91.1186, 128.2670



96.2314, 91.1186, 94.6329

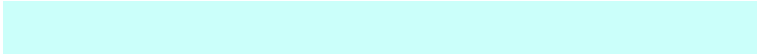


84.9912, 91.1186, 74.9147



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



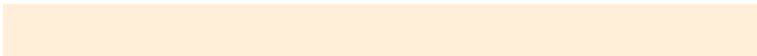
77.6439, 91.1186, 103.9379



81.9640, 91.1186, 124.4670



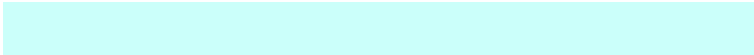
96.2314, 91.1186, 94.6329



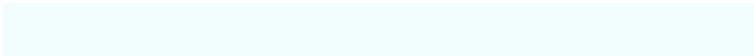
91.4190, 91.1186, 77.6286

# Sweetspot

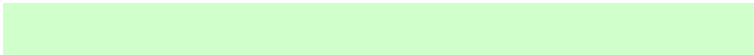
The Sweet Spot groups the original color and five complimentary colors.



77.6449, 91.1191, 103.9394



89.4075, 97.1184, 107.4047



72.6091, 89.2712, 69.9057



19.0111, 20.7231, 22.9546



0.0000, 0.0000, 0.0000

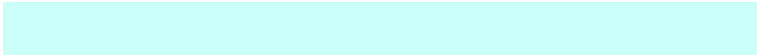


20.3446, 21.4041, 23.3091

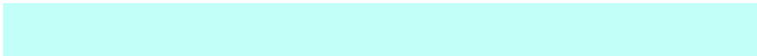


# Same Dimension

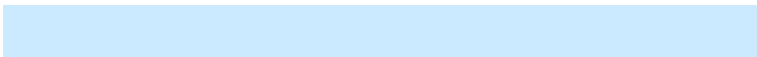
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6449, 91.1191, 103.9394



75.0740, 89.8098, 103.0966



72.1594, 78.8770, 106.0293



18.4751, 20.4496, 22.8051



26.2153, 40.3827, 45.8804



2.5735, 3.9403, 4.5777



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



73.9818, 68.5272, 69.0028



70.8756, 63.9099, 63.0497



78.6221, 78.7766, 67.5631



18.0803, 18.0154, 19.0399



21.6611, 11.1537, 1.6001

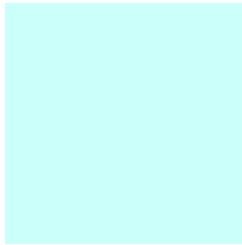


2.1317, 1.0951, 0.2750



# Previews

## White Background



This preview shows how the XYZ color 77.6439, 91.1186, 103.9379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

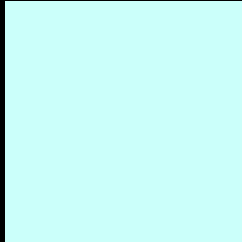
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6439, 91.1186, 103.9379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

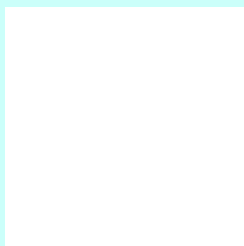
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.6439, 91.1186, 103.9379**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6439, 91.1186, 103.9379.



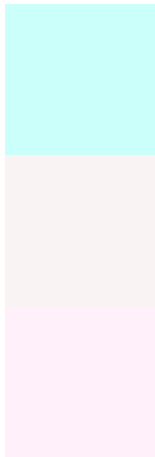
This preview shows how white text looks on a background with the XYZ color 77.6439, 91.1186,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

77.6439, 91.1186, 103.9379

### Protanopia

87.2952, 90.7120, 97.7022

### Deuteranopia

89.6554, 90.4823, 103.1820



## **Tritanopia**

84.2658, 90.7305, 107.6792

# Trichromacy

|  |   |
|--|---|
|  | <b>Original Color</b><br>77.6439, 91.1186, 103.9379 |
|  | <b>Protanomaly</b><br>83.1740, 90.3312, 100.2407    |
|  | <b>Deuteranomaly</b><br>84.4998, 90.0398, 103.3683  |
|  | <b>Tritanomaly</b><br>81.7340, 90.8352, 106.1536    |

# Monochromacy

|  |   |
|--|---|
|  | <b>Original Color</b><br>77.6439, 91.1186, 103.9379 |
|  | <b>Achromatopsia</b><br>82.0431, 86.3157, 93.9978   |
|  | <b>Achromatomaly</b><br>80.1941, 87.9446, 97.5424   |

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6439, 91.1186, 103.9379 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(203, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 250)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(203, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6439, 91.1186, 103.9379 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 255, 250) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(203, 255, 250) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(203, 255, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6439, 91.1186, 103.9379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 250) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(203,  
255, 250) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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