

# Converting Colors

XYZ(72.4560, 83.8469, 94.7047)

Have a look what the booklet for  
XYZ(72.4560, 83.8469, 94.7047)  
contains.

|  |    |
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# Color

**XYZ(72.4680, 84.0136,  
94.8349)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | C9F5F0                       |
| RGB         | 201, 245, 240                |
| RGB Percent | 79%, 96%, 94%                |
| CMY         | 0.2118, 0.0392, 0.0588       |
| CMYK        | 0.18, 0.00, 0.02, 0.04       |
| HSL         | 173°, 69%, 87%               |
| HSV         | 173°, 18%, 96%               |
| XYZ         | 72.4680, 84.0136, 94.8349    |
| YIQ         | 231.2740, -24.6190, -10.8830 |

# Conversions

## Conversions Part 2

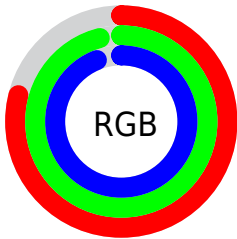
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 201, 224, 245                 |
| Decimal                             | 13235696                      |
| CIE <sub>Lab</sub>                  | 93.46, -15.02, -2.28          |
| CIE <sub>LCh</sub>                  | 93, 15.188, 188.640           |
| Yxy                                 | 84.0136, 0.2884,<br>0.3343    |
| Android<br>(android.graphics.Color) | 4291425776<br>(0xFFC9F5F0)    |
| YUV                                 | 231.2740, 4.3019,<br>-26.5503 |
| Hunter-Lab                          | 91.6589, -19.2763,<br>2.8169  |

# Details

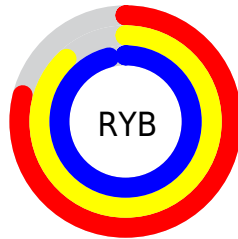
The XYZ color **72.4680, 84.0136, 94.8349** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6864, 65.6443, 67.3939**, and the grayscale version is **76.1437, 80.1091, 87.2388**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7034, 45.9669, 52.1800** is the 20% darker color. If you saturate the color by 10%, you get **65.9898, 80.7236, 92.3895**, and if you desaturate by 10%, it is **80.0079, 87.8546, 97.3667**.

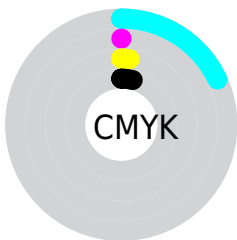
# Distribution



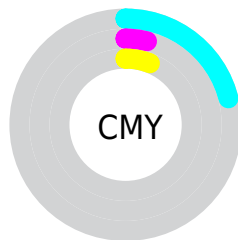
- Red (79%)
- Green (96%)
- Blue (94%)



- Red (79%)
- Yellow (88%)
- Blue (96%)



- Cyan (18%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)




- Cyan (21%)
- Magenta (4%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4680, 84.0136, 94.8349 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 72.4680, 84.0136, 94.8349 by changing the saturation by 10% instead.




 72.4680, 84.0136,  
94.8349

 72.4680, 84.0136,  
94.8349


458.3013,  
508.3584, 564.6071

 53.8279, 63.0267,  
71.4014

121.7289,  
138.9942, 156.0301

 38.6942, 45.8628,  
52.1860


153.0804,  
173.7567, 194.6289

 26.7016, 32.1376,  
36.7701


189.3997,  
213.8797, 239.1200

 17.4847, 21.4666,  
24.7352

231.0522,  
259.7478, 289.9218

 10.6781, 13.4655,  
15.6626

278.4033,  
311.7454, 347.4528

 5.9165, 7.7499,  
9.1340

331.8182,

 2.8345, 3.9353,

370.2567, 412.1317

4.7307

391.6625,  
435.6663, 484.3770

■ 1.0669, 1.6374,  
2.0342

■ 0.0000, 0.3826,  
0.5762

■ 72.4680, 84.0136,  
94.8349

■ 72.4680, 84.0136,  
94.8349

■ 65.9898, 80.7236,  
92.3895

■ 80.0079, 87.8546,  
97.3667

■ 60.5163, 77.9487,  
90.0224


■ 88.6486, 92.2601,  
99.9815

■ 55.9961, 75.6644,  
87.7328


■ 90.8930, 93.3675,  
102.3305


■ 52.3706, 73.8407,  
85.5178


■ 91.3294, 93.5420,  
104.6285


 49.5744, 72.4437,  
83.3741


 91.7722, 93.7192,  
106.9605

 47.5332, 71.4353,  
81.2983

 91.9439, 93.7879,  
107.8646

 46.1596, 70.7703,  
79.2859

 45.3342, 70.3872,  
77.3314

 45.1975, 70.3253,  
76.9380

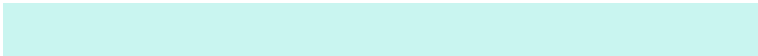
# Harmonies

## Analogous

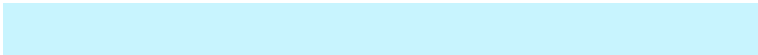
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8833, 84.0136, 83.6656



72.4680, 84.0136, 94.8349



73.9789, 84.0136, 105.9728

# Triad

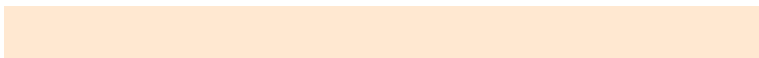
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.4680, 84.0136, 94.8349



84.7655, 84.0136, 109.8352



82.6944, 84.0136, 72.4102

# Complementary

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



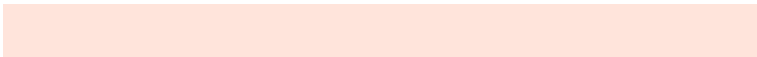
72.4680, 84.0136, 94.8349



69.6864, 65.6443, 67.3939

# 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.



86.0289, 84.0136, 78.3665



72.4680, 84.0136, 94.8349



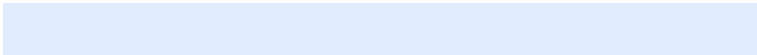
87.2522, 84.0136, 99.7591

# Square

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



72.4680, 84.0136, 94.8349



81.0166, 84.0136, 115.0961



87.7221, 84.0136, 88.1984

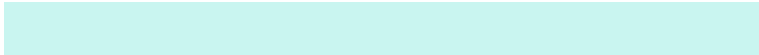


78.6994, 84.0136, 71.3319

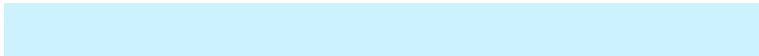


# Rectangle

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



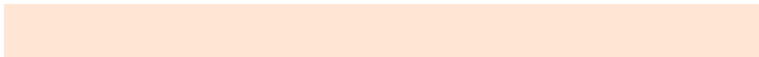
72.4680, 84.0136, 94.8349



75.9059, 84.0136, 111.6626



87.7221, 84.0136, 88.1984



83.9334, 84.0136, 73.8828

# Sweetspot

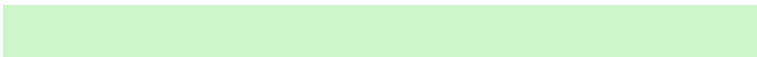
The Sweet Spot groups the original color and five complimentary colors.



72.4704, 84.0171, 94.8368



90.2813, 97.5685, 107.4631



68.6882, 82.6663, 67.5958



19.1857, 20.8133, 22.9587



0.0000, 0.0000, 0.0000

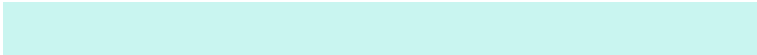


20.3446, 21.4041, 23.3091

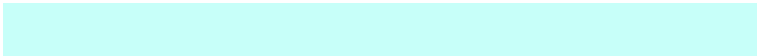


# Same Dimension

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



72.4704, 84.0171, 94.8368



76.3265, 90.4644, 102.7517



68.3514, 74.5731, 97.1818



16.9108, 18.7235, 20.8145



24.3806, 37.8971, 41.6196



2.1654, 3.3398, 3.7771



# Inverse Universe

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



69.6864, 65.6443, 67.3939



72.6936, 66.4821, 66.9351



73.2386, 73.7060, 65.6264



16.5757, 16.5131, 17.5124



20.4231, 10.5127, 1.6703

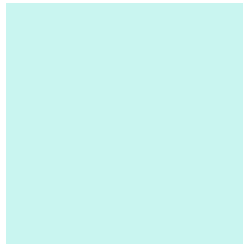


1.8195, 0.9338, 0.2758



# Previews

## White Background



This preview shows how the XYZ color 72.4680, 84.0136, 94.8349 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

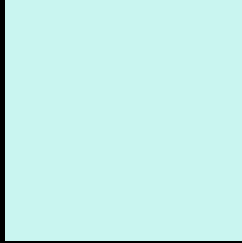
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.4680, 84.0136, 94.8349 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 72.4680, 84.0136, 94.8349**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.4680, 84.0136, 94.8349.



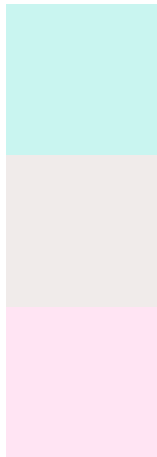
This preview shows how white text looks on a background with the XYZ color 72.4680, 84.0136,



# 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

72.4680, 84.0136, 94.8349

### Protanopia

80.4948, 83.8824, 89.7903

### Deuteranopia

85.1611, 83.2179, 96.3682



## Tritanopia

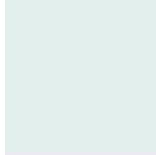
76.6507, 83.6863, 106.7209

# Trichromacy



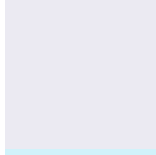
## Original Color

72.4680, 84.0136, 94.8349



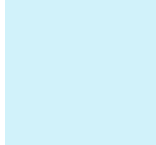
## Protanomaly

77.3709, 83.9579, 91.4845



## Deuteranomaly

79.7108, 82.9186, 95.8081



## Tritanomaly

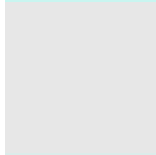
75.3019, 83.9617, 102.6799

# Monochromacy



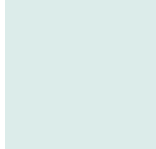
## Original Color

72.4680, 84.0136, 94.8349



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

74.3619, 81.1471, 89.5856

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.4680, 84.0136, 94.8349 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(201, 245, 240)` looks like.

```
.text, #text, p{  
    color:rgb(201, 245, 240)  
}
```

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(201, 245, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 245, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 72.4680, 84.0136, 94.8349 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(201, 245, 240) }
```



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

```
.border{ border-color:rgb(201, 245, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 245, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 245, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 245, 240);  
box-shadow:4px 4px 4px 4px rgb(201, 245,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.4680, 84.0136, 94.8349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 245, 240) }
```

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

```
.background{ background-color: rgb(201,  
245, 240) }
```

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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