

# Converting Colors

XYZ(77.6411, 87.5992,  
103.7552)

Have a look what the booklet for  
XYZ(77.6411, 87.5992, 103.7552)  
contains.

<b>XYZ(77.5373, 87.3354, 104.0376)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(77.5373, 87.3354,  
104.0376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3F7FB
RGB	211, 247, 251
RGB Percent	83%, 97%, 98%
CMY	0.1725, 0.0314, 0.0157
CMYK	0.16, 0.02, 0.00, 0.02
HSL	186°, 83%, 91%
HSV	186°, 16%, 98%
XYZ	77.5373, 87.3354, 104.0376
YIQ	236.6920, -22.7400, -6.3880

# Conversions

## Conversions Part 2

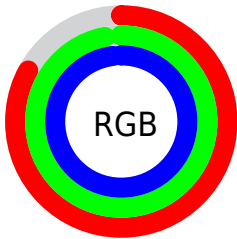
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 230, 251
Decimal	13891579
CIE Lab	94.88, -10.74, -5.82
CIE LCh	95, 12.215, 208.428
Yxy	87.3354, 0.2883, 0.3248
Android (android.graphics.Color)	4292081659 (0xFFD3F7FB)
YUV	236.6920, 7.0538, -22.5319
Hunter-Lab	93.4534, -15.4439, -0.5876

# Details

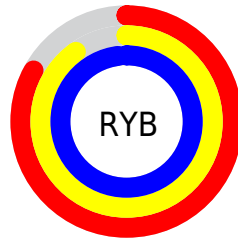
The XYZ color **77.5373, 87.3354, 104.0376** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.8427, 73.8132, 71.8797**, and the grayscale version is **80.2215, 84.3993, 91.9108**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1914, 48.2697, 58.7230** is the 20% darker color. If you saturate the color by 10%, you get **70.1393, 82.3929, 103.4749**, and if you desaturate by 10%, it is **86.0735, 92.8845, 104.6602**.

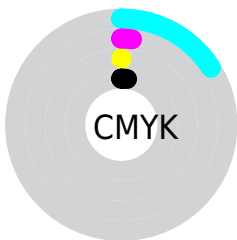
# Distribution



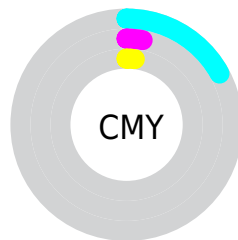
- Red (83%)
- Green (97%)
- Blue (98%)



- Red (83%)
- Yellow (90%)
- Blue (98%)



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (17%)
- Magenta (3%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5373, 87.3354, 104.0376 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 77.5373, 87.3354, 104.0376 by changing the saturation by 10% instead.



77.5373, 87.3354,  
104.0376

77.5373, 87.3354,  
104.0376

475.4579,  
519.3244, 594.4184

57.9954, 65.7728,  
79.0412

128.8665,  
143.6315, 168.7949

42.0482, 48.0880,  
58.4081

161.3845,  
179.1339, 209.3928

29.3303, 33.8966,  
41.7200

198.9586,  
220.0516, 256.0283

19.4764, 22.8142,  
28.5582

241.9541,  
266.7690, 309.1199

12.1210, 14.4563,  
18.5041

290.7365,  
319.6706, 369.0862

6.8990, 8.4387,  
11.1394

345.6710,

3.4448, 4.3769,

379.1408, 436.3457

6.0453

407.1230,  
445.5639, 511.3169

■ 1.3931, 1.8866,  
2.8034

■ 0.2513, 0.5403,  
0.9952

■ 77.5373, 87.3354,  
104.0376

■ 77.5373, 87.3354,  
104.0376

■ 70.1393, 82.3929,  
103.4749

■ 86.0735, 92.8845,  
104.6602

■ 63.8198, 78.0194,  
102.9638

■ 93.4699, 97.8592,  
105.2305

■ 58.5254, 74.1896,  
102.5036

■ 94.2628, 99.4450,  
105.4949

■ 54.1948, 70.8717,  
102.0915

■ 94.4129, 99.7451,  
105.5449

■ 50.7603, 68.0309,  
101.7241

■ 48.1452, 65.6275,  
101.3981

■ 46.2600, 63.6153,  
101.1091

■ 44.9936, 61.9370,  
100.8519

■ 44.5880, 61.3154,  
100.7533

# Harmonies

## Analogous

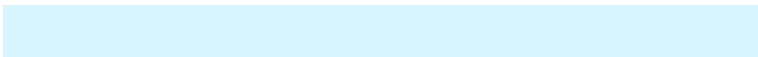
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8085, 87.3354, 94.5942



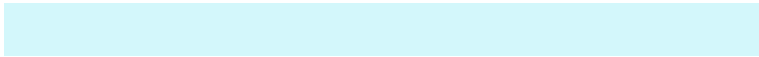
77.5373, 87.3354, 104.0376



79.7217, 87.3354, 111.4842

# Triad

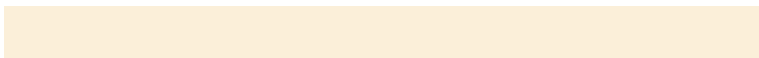
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5373, 87.3354, 104.0376



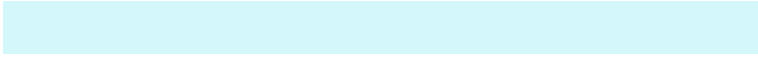
88.5513, 87.3354, 104.9599



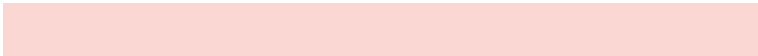
83.1844, 87.3354, 78.0112

# Complementary

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



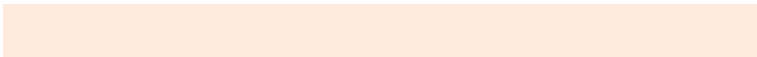
77.5373, 87.3354, 104.0376



75.8427, 73.8132, 71.8797

# 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.



86.3868, 87.3354, 80.3935



77.5373, 87.3354, 104.0376



89.5359, 87.3354, 95.5943

# Square

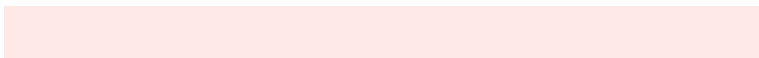
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5373, 87.3354, 104.0376



86.0766, 87.3354, 112.0411



88.7337, 87.3354, 86.6771



80.0164, 87.3354, 79.9472

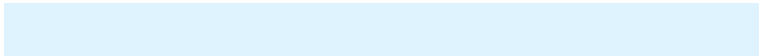


# Rectangle

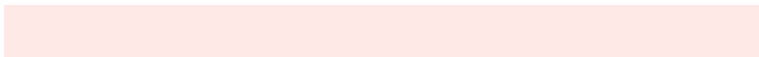
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5373, 87.3354, 104.0376



81.7395, 87.3354, 114.0921



88.7337, 87.3354, 86.6771



84.2930, 87.3354, 78.3303

# Sweetspot

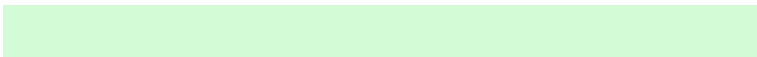
The Sweet Spot groups the original color and five complimentary colors.



77.5398, 87.3390, 104.0396



90.1088, 96.8514, 108.5527



73.5429, 87.7169, 76.8983



19.1437, 20.6383, 23.2246



0.0000, 0.0000, 0.0000

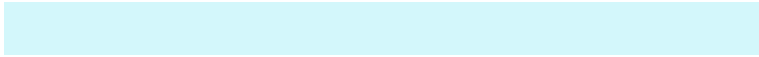


20.3446, 21.4041, 23.3091

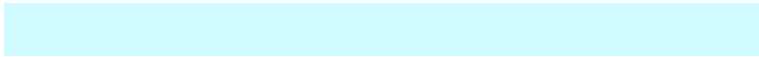


# Same Dimension

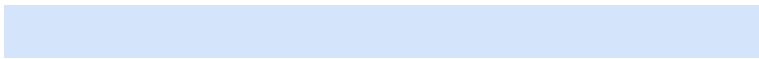
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5398, 87.3390, 104.0396



77.8916, 88.8907, 107.6600



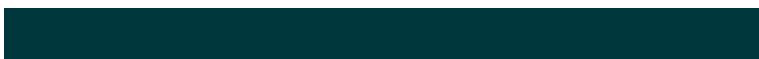
71.9299, 76.1191, 102.1696



17.6089, 19.2947, 22.1814



23.4985, 32.3526, 52.9797



2.2179, 3.0795, 4.9207



# Inverse Universe

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



79.8684, 73.8150, 98.0380



80.7242, 72.5800, 100.3279



81.0609, 84.2496, 73.6190



17.9139, 17.4929, 21.4023



28.1530, 13.6769, 39.1096

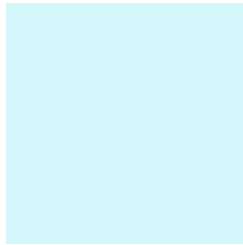


2.6284, 1.2751, 3.7327



# Previews

## White Background



This preview shows how the XYZ color 77.5373, 87.3354, 104.0376 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

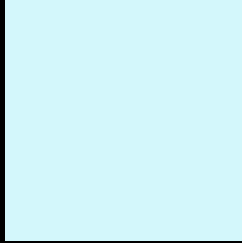
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.5373, 87.3354, 104.0376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

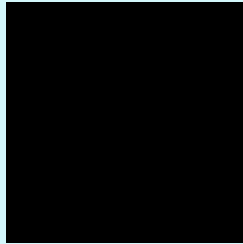
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.5373, 87.3354, 104.0376**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.5373, 87.3354, 104.0376.



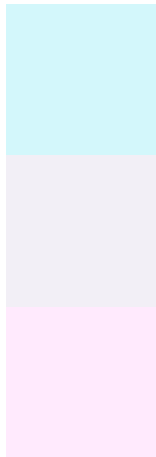
This preview shows how white text looks on a background with the XYZ color 77.5373, 87.3354,



# 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

77.5373, 87.3354, 104.0376

### Protanopia

84.1190, 87.2641, 99.5989

### Deuteranopia

88.3924, 87.1975, 105.1005



## Tritanopia

80.8411, 87.1685, 107.1722

# Trichromacy



## Original Color

77.5373, 87.3354, 104.0376

## Protanomaly

81.6504, 87.2705, 101.3484

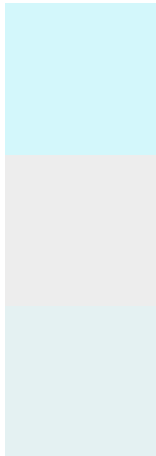
## Deuteranomaly

84.0338, 87.1120, 104.4807

## Tritanomaly

79.4535, 86.9172, 106.3550

# Monochromacy



## Original Color

77.5373, 87.3354, 104.0376

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

79.4772, 85.8154, 96.3795

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.5373, 87.3354, 104.0376 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(211, 247, 251)` looks like.

```
.text, #text, p{  
    color:rgb(211, 247, 251)  
}
```

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(211, 247, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 247, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 77.5373, 87.3354, 104.0376 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(211, 247, 251) }
```



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

```
.border{ border-color:rgb(211, 247, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 247, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 247, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 247, 251);  
box-shadow:4px 4px 4px 4px rgb(211, 247,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.5373, 87.3354, 104.0376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 247, 251) }
```

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

```
.background{ background-color: rgb(211,  
247, 251) }
```

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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