

Converting Colors

XYZ(50.3710, 76.6277, 58.0335)

Have a look what the booklet for
XYZ(50.3710, 76.6277, 58.0335)
contains.

XYZ(50.3774, 76.6343, 58.0357)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.3774, 76.6343,
58.0357)**

Conversions

Conversions Part 1

Format	Color
Hex	71FCB9
RGB	113, 252, 185
RGB Percent	44%, 99%, 73%
CMY	0.5569, 0.0117, 0.2745
CMYK	0.55, 0.00, 0.27, 0.01
HSL	151°, 96%, 72%
HSV	151°, 55%, 99%
XYZ	50.3774, 76.6343, 58.0357
YIQ	202.8010, -61.3370, -50.3050

Conversions

Conversions Part 2

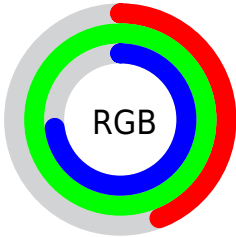
Format	Color
RYB	113, 205, 252
Decimal	7470265
CIELab	90.15, -52.92, 20.86
CIElCh	90, 56.880, 158.482
Yxy	76.6343, 0.2722, 0.4141
Android (android.graphics.Color)	4285660345 (0xFF71FCB9)
YUV	202.8010, -8.7759, -78.7555
Hunter-Lab	87.5410, -50.4750, 21.9721

Details

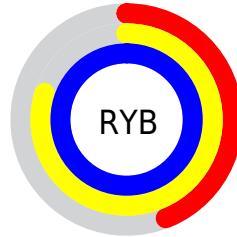
The XYZ color **50.3774, 76.6343, 58.0357** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.2907, 35.8027, 47.2319**, and the grayscale version is **56.7225, 59.6765, 64.9877**.

A 20% lighter version of the original color is **69.0927, 86.8695, 96.3450**, and **24.4529, 40.7631, 28.4091** is the 20% darker color. If you saturate the color by 10%, you get **46.3464, 74.7002, 51.4376**, and if you desaturate by 10%, it is **55.4219, 79.0823, 65.2566**.

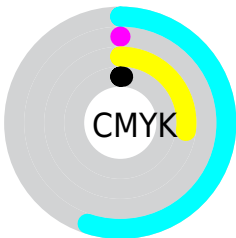
Distribution



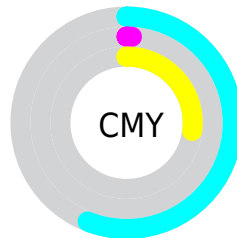
- Red (44%)
- Green (99%)
- Blue (73%)



- Red (44%)
- Yellow (80%)
- Blue (99%)



- Cyan (55%)
- Magenta (0%)
- Yellow (27%)
- Black (1%)





- Cyan (56%)
- Magenta (1%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3774, 76.6343, 58.0357 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 50.3774, 76.6343, 58.0357 by changing the saturation by 10% instead.


 50.3774, 76.6343,
58.0357


 50.3774, 76.6343,
58.0357


378.5676,
483.5163, 434.9209


 35.9324, 56.9528,
41.4225


 89.9223, 128.6231,
103.4901

 24.5518, 40.9673,
28.3271


 115.7529,
161.6992, 133.1684

 15.8704, 28.2936,
18.3312


 146.1093,
200.0090, 168.0388

 9.5228, 18.5471,
11.0162

181.3571,
243.9368, 208.5198

 5.1435, 11.3435,
5.9634

221.8614,
293.8670, 255.0300

 2.3673, 6.2983,
2.7544

267.9877,

 0.8288, 3.0273,

350.1841, 307.9878

0.9706

320.1013,
413.2723, 367.8120

■ 0.0000, 1.1460,
0.0000

■ 0.0000, 0.0169,
0.0000

■ 50.3774, 76.6343,
58.0357

■ 50.3774, 76.6343,
58.0357

■ 46.3464, 74.7002,
51.4376

■ 55.4219, 79.0823,
65.2566

■ 43.2437, 73.2302,
45.4390


■ 61.5443, 82.0710,
73.1120


■ 40.9790, 72.1803,
40.0226


■ 68.8104, 85.6360,
81.6199

■ 39.4396, 71.4926,
35.1677

■ 77.2790, 89.8074,
90.7959

 38.8769, 71.2496,
33.0104

 87.0046, 94.6130,
100.6550

 94.1018, 98.1036,
108.5839

Harmonies

Analogous

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



57.2089, 76.6343, 36.1565



50.3774, 76.6343, 58.0357



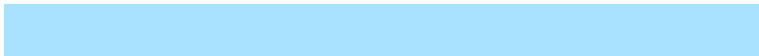
49.1394, 76.6343, 95.4508

Triad

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



50.3774, 76.6343, 58.0357



76.9193, 76.6343, 186.4629



96.2394, 76.6343, 43.7898

Complementary

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



50.3774, 76.6343, 58.0357



54.2907, 35.8027, 47.2319

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.



103.1447, 76.6343, 72.4847



50.3774, 76.6343, 58.0357



91.0835, 76.6343, 160.3585

Square

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



50.3774, 76.6343, 58.0357



63.3223, 76.6343, 178.7581



101.1450, 76.6343, 115.3534



83.2635, 76.6343, 29.9756

Rectangle

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



50.3774, 76.6343, 58.0357



51.4759, 76.6343, 126.3119



101.1450, 76.6343, 115.3534



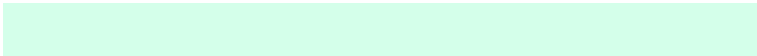
99.4191, 76.6343, 51.5685

Sweetspot

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



50.3794, 76.6374, 58.0375



77.6768, 91.4116, 91.4706



56.6586, 80.5417, 28.1836



16.2401, 19.3756, 19.1665



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.



50.3794, 76.6374, 58.0375



47.2903, 76.5830, 52.2702



58.4705, 78.7168, 104.2113



17.3928, 19.4594, 20.2692



20.3256, 37.1432, 17.5896



1.9361, 3.4615, 1.9113

Inverse Universe

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



54.2907, 35.8027, 47.2319



51.6755, 30.8485, 40.1910



49.2946, 34.2231, 19.6313



17.5931, 17.3646, 19.7133



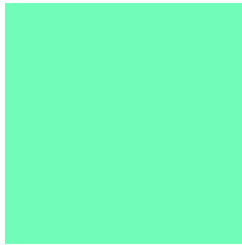
22.7984, 11.5351, 10.9129



2.1648, 1.0897, 1.2913

Previews

White Background



This preview shows how the XYZ color 50.3774, 76.6343, 58.0357 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 50.3774, 76.6343, 58.0357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

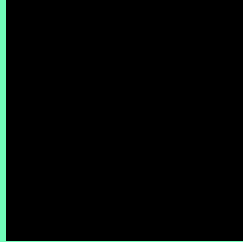
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3774, 76.6343, 58.0357

Background



This preview shows how black text looks on a background with the XYZ color 50.3774, 76.6343, 58.0357.

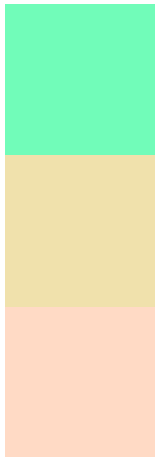


This preview shows how white text looks on a background with the XYZ color 50.3774, 76.6343,

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

50.3774, 76.6343, 58.0357

Protanopia

70.3068, 75.3542, 49.8690

Deuteranopia

76.3894, 75.4340, 63.3574



Tritanopia

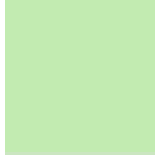
63.0171, 76.2221, 105.9987

Trichromacy



Original Color

50.3774, 76.6343, 58.0357



Protanomaly

59.8923, 74.0603, 52.7334



Deuteranomaly

62.5511, 73.1404, 61.2728



Tritanomaly

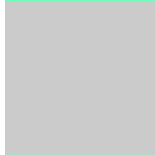
57.7889, 76.1653, 86.5185

Monochromacy



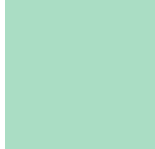
Original Color

50.3774, 76.6343, 58.0357



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.3978, 64.2445, 61.8633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3774, 76.6343, 58.0357 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(113, 252, 185)` looks like.

```
.text, #text, p{  
    color:rgb(113, 252, 185)  
}
```

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(113, 252, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 252, 185) }
```

Border

The CSS property to change the border of an element to XYZ 50.3774, 76.6343, 58.0357 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(113, 252, 185) }
```


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

```
.border{ border-color:rgb(113, 252, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 252, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 252, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 252, 185);  
box-shadow:4px 4px 4px 4px rgb(113, 252,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3774, 76.6343, 58.0357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 252, 185) }
```

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

```
.background{ background-color: rgb(113,  
252, 185) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor