

Converting Colors

XYZ(60.1768, 96.6450, 77.2392)

Have a look what the booklet for
XYZ(60.1768, 96.6450, 77.2392)
contains.

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Color

**XYZ(50.8261, 77.9286,
73.9909)**

Conversions

Conversions Part 1

Format	Color
Hex	50FFD3
RGB	80, 255, 211
RGB Percent	31%, 100%, 83%
CMY	0.6862, 0.0000, 0.1725
CMYK	0.69, 0.00, 0.17, 0.00
HSL	165°, 100%, 66%
HSV	165°, 69%, 100%
XYZ	50.8261, 77.9286, 73.9909
YIQ	197.6590, -90.1760, -50.7840

Conversions

Conversions Part 2

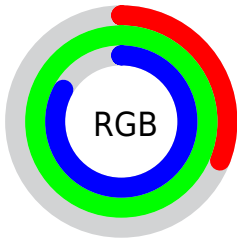
Format	Color
RYB	80, 180, 255
Decimal	5308371
CIELab	90.75, -54.28, 8.21
CIELCh	91, 54.897, 171.396
Yxy	77.9286, 0.2507, 0.3844
Android (android.graphics.Color)	4283498451 (0xFF50FFD3)
YUV	197.6590, 6.5771, -103.1869
Hunter-Lab	88.2772, -51.7126, 12.0992

Details

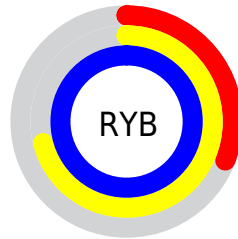
The XYZ color **50.8261, 77.9286, 73.9909** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **47.7475, 28.4537, 22.0459**, and the grayscale version is **53.4708, 56.2555, 61.2622**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **26.0521, 42.3668, 38.7028** is the 20% darker color. If you saturate the color by 10%, you get **48.2787, 76.7064, 69.7601**, and if you desaturate by 10%, it is **54.2236, 79.5853, 78.4315**.

Distribution



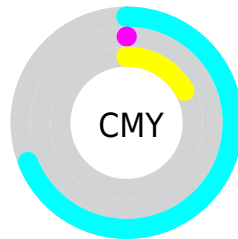
- Red (31%)
- Green (100%)
- Blue (83%)



- Red (31%)
- Yellow (71%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8261, 77.9286, 73.9909 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 50.8261, 77.9286, 73.9909 by changing the saturation by 10% instead.


 50.8261, 77.9286,
73.9909


 50.8261, 77.9286,
73.9909


380.2866,
487.9243, 493.6045


 36.2907, 58.0153,
54.2898


 90.5822, 130.4495,
126.6168


 24.8299, 41.8210,
38.4387


 116.5336,
163.8258, 160.3788

 16.0785, 28.9611,
26.0189


 147.0211,
202.4587, 199.6648

 9.6709, 19.0514,
16.6119

 182.4099,
246.7325, 244.8934

 5.2419, 11.7074,
9.7991

223.0656,
297.0315, 296.4831

 2.4261, 6.5448,
5.1621

269.3533,

 0.8581, 3.1791,

353.7403, 354.8525

2.2823

321.6385,
417.2430, 420.4202

■ 0.0000, 1.2259,
0.7213

■ 0.0000, 0.0827,
0.0000

■ 50.8261, 77.9286,
73.9909

■ 50.8261, 77.9286,
73.9909

■ 48.2787, 76.7064,
69.7601

■ 54.2236, 79.5853,
78.4315

■ 46.4806, 75.8668,
65.7285

■ 58.5519, 81.7181,
83.0836

■ 45.2926, 75.3381,
61.8890

■ 63.8847, 84.3650,
87.9539

■ 45.1514, 75.2766,
61.3747

■ 70.2876, 87.5597,
93.0472

■ 77.8205, 91.3331,
98.3682

■ 86.5388, 95.7137,
103.9211

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.2222, 77.9286, 45.7465



50.8261, 77.9286, 73.9909



52.0247, 77.9286, 115.6735

Triad

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



50.8261, 77.9286, 73.9909



84.1676, 77.9286, 176.9975



91.8725, 77.9286, 38.2716

Complementary

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



50.8261, 77.9286, 73.9909



47.7475, 28.4537, 22.0459

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.



101.5973, 77.9286, 60.0566



50.8261, 77.9286, 73.9909



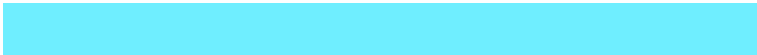
96.7789, 77.9286, 141.5890

Square

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



50.8261, 77.9286, 73.9909



70.1728, 77.9286, 184.2419



103.4962, 77.9286, 96.7249



78.1064, 77.9286, 29.7418

Rectangle

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



50.8261, 77.9286, 73.9909



55.9076, 77.9286, 145.6129



103.4962, 77.9286, 96.7249



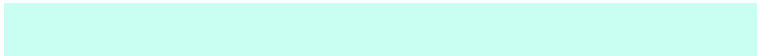
95.7901, 77.9286, 43.8950

Sweetspot

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



50.8270, 77.9290, 73.9923



75.9260, 90.3829, 97.0835



45.9118, 76.5861, 19.9535



15.7976, 19.1183, 20.4637



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.



50.8270, 77.9290, 73.9923



47.5935, 76.3830, 68.3773



45.4480, 57.1041, 103.2346



18.3482, 20.3988, 22.1368



23.6558, 39.3589, 32.4023



2.3471, 3.8498, 3.3856

Inverse Universe

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



47.7475, 28.4537, 22.0459



44.4401, 24.0970, 13.9817



49.5060, 35.4748, 11.8288



18.1967, 18.0620, 19.6530



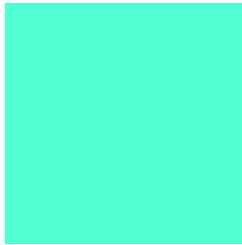
22.0841, 11.3229, 3.8271



2.1919, 1.1191, 0.5918

Previews

White Background



This preview shows how the XYZ color 50.8261, 77.9286, 73.9909 looks on a white background.

Color Contrast Check

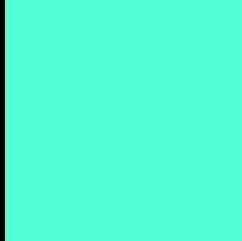
Large Text (above 18pt) WCAG AA × Fail

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 50.8261, 77.9286, 73.9909 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 50.8261, 77.9286, 73.9909

Background



This preview shows how black text looks on a background with the XYZ color 50.8261, 77.9286, 73.9909.

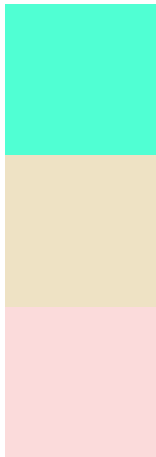


This preview shows how white text looks on a background with the XYZ color 50.8261, 77.9286,

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

50.8261, 77.9286, 73.9909

Protanopia

72.4201, 76.5554, 63.1843

Deuteranopia

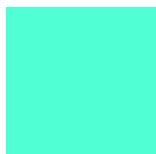
77.9014, 76.2867, 77.6368



Tritanopia

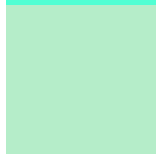
63.4099, 77.2987, 106.1858

Trichromacy



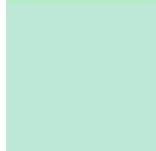
Original Color

50.8261, 77.9286, 73.9909



Protanomaly

59.8829, 74.6092, 66.5032



Deuteranomaly

62.2375, 73.4899, 75.8705



Tritanomaly

57.5890, 76.8107, 93.4520

Monochromacy



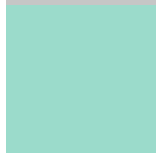
Original Color

50.8261, 77.9286, 73.9909



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.6286, 61.9434, 65.8405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8261, 77.9286, 73.9909 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(80, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(80, 255, 211)  
}
```

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(80, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 255, 211) }
```

Border

The CSS property to change the border of an element to XYZ 50.8261, 77.9286, 73.9909 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(80, 255, 211) }
```


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

```
.border{ border-color:rgb(80, 255, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(80, 255,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8261, 77.9286, 73.9909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 255, 211) }
```

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

```
.background{ background-color: rgb(80, 255,  
211) }
```

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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