

Converting Colors

XYZ(51.3326, 78.3930, 74.3823)

Have a look what the booklet for
XYZ(51.3326, 78.3930, 74.3823)
contains.

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Color

**XYZ(51.2109, 78.1125,
74.6655)**

Conversions

Conversions Part 1

Format	Color
Hex	53FFD4
RGB	83, 255, 212
RGB Percent	33%, 100%, 83%
CMY	0.6745, 0.0000, 0.1686
CMYK	0.67, 0.00, 0.17, 0.00
HSL	165°, 100%, 66%
HSV	165°, 67%, 100%
XYZ	51.2109, 78.1125, 74.6655
YIQ	198.6700, -88.7090, -49.8370

Conversions

Conversions Part 2

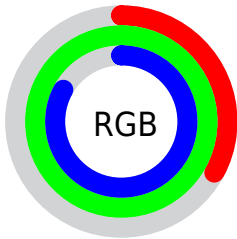
Format	Color
RYB	83, 181, 255
Decimal	5504980
CIELab	90.83, -53.62, 7.83
CIElCh	91, 54.188, 171.697
Yxy	78.1125, 0.2510, 0.3829
Android (android.graphics.Color)	4283695060 (0xFF53FFD4)
YUV	198.6700, 6.5717, -101.4426
Hunter-Lab	88.3813, -51.2387, 11.7780

Details

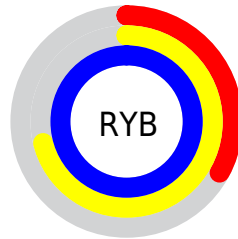
The XYZ color **51.2109, 78.1125, 74.6655** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **48.0998, 28.9539, 22.7934**, and the grayscale version is **54.0850, 56.9016, 61.9659**.

A 20% lighter version of the original color is **66.5725, 85.3193, 107.5673**, and **26.0521, 42.3668, 38.7028** is the 20% darker color. If you saturate the color by 10%, you get **48.5717, 76.8429, 70.4275**, and if you desaturate by 10%, it is **54.7103, 79.8217, 79.1122**.

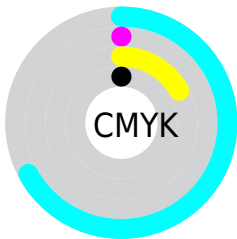
Distribution



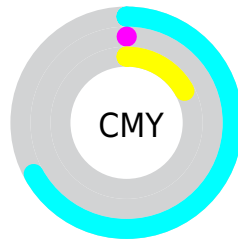
- Red (33%)
- Green (100%)
- Blue (83%)



- Red (33%)
- Yellow (71%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2109, 78.1125, 74.6655 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 51.2109, 78.1125, 74.6655 by changing the saturation by 10% instead.


 51.2109, 78.1125,
74.6655


 51.2109, 78.1125,
74.6655


381.7568,
488.5488, 495.9918


 36.5982, 58.1664,
54.8388


 91.1476, 130.7087,
127.5815


 25.0688, 41.9424,
38.8750


 117.2023,
164.1276, 161.5079

 16.2573, 29.0562,
26.3554


 147.8017,
202.8062, 200.9712

 9.7984, 19.1234,
16.8615

 183.3111,
247.1289, 246.3901

 5.3268, 11.7594,
9.9749

224.0960,
297.4801, 298.1831

 2.4769, 6.5801,
5.2769

270.5217,

 0.8836, 3.2009,

354.2443, 356.7687

2.3491

322.9535,
417.8057, 422.5654

0.0000, 1.2375,
0.7585

0.0000, 0.0920,
0.0000

51.2109, 78.1125,
74.6655

51.2109, 78.1125,
74.6655

48.5717, 76.8429,
70.4275

54.7103, 79.8217,
79.1122

46.6940, 75.9624,
66.3877

59.1492, 82.0115,
83.7691

45.4534, 75.4068,
62.5397

64.6003, 84.7194,
88.6429

45.1916, 75.2926,
61.5862

71.1285, 87.9788,
93.7384

■ 78.7930, 91.8202,
99.0600

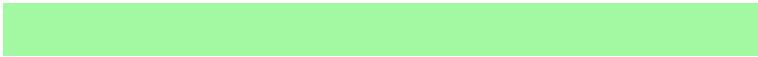
■ 87.6488, 96.2718,
104.6121

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.



55.5162, 78.1125, 46.4933



51.2109, 78.1125, 74.6655



52.4561, 78.1125, 115.9301

Triad

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



51.2109, 78.1125, 74.6655



84.3612, 78.1125, 175.5991



91.7029, 78.1125, 38.6979

Complementary

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



51.2109, 78.1125, 74.6655



48.0998, 28.9539, 22.7934

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.



101.3566, 78.1125, 60.2089



51.2109, 78.1125, 74.6655



96.7698, 78.1125, 140.5768

Square

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



51.2109, 78.1125, 74.6655



70.5226, 78.1125, 183.0494



103.3163, 78.1125, 96.3580



78.0932, 78.1125, 30.2985

Rectangle

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



51.2109, 78.1125, 74.6655



56.3424, 78.1125, 145.3921



103.3163, 78.1125, 96.3580



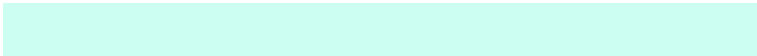
95.5839, 78.1125, 44.2532

Sweetspot

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



51.2117, 78.1128, 74.6669



76.7265, 90.7832, 97.6805



45.9264, 76.5806, 20.5457



15.9543, 19.1965, 20.5861



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.



51.2117, 78.1128, 74.6669



47.8231, 76.4885, 68.9704



45.1616, 56.1470, 103.0649



18.3494, 20.3993, 22.1429



23.6766, 39.3672, 32.5117



2.3490, 3.8505, 3.3955

Inverse Universe

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



48.0998, 28.9539, 22.7934



44.6199, 24.3327, 14.4236



50.2630, 36.8074, 12.6402



18.1956, 18.0616, 19.6473



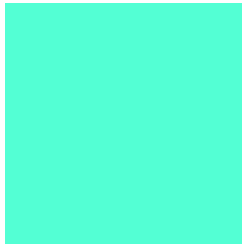
22.0784, 11.3207, 3.7974



2.1912, 1.1188, 0.5882

Previews

White Background



This preview shows how the XYZ color 51.2109, 78.1125, 74.6655 looks on a white background.

Color Contrast Check

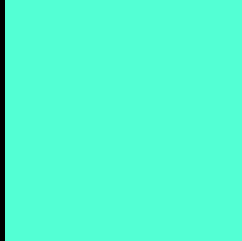
Large Text (above 18pt) WCAG AA × Fail

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 51.2109, 78.1125, 74.6655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

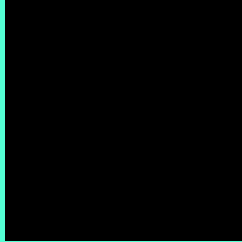
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2109, 78.1125, 74.6655

Background



This preview shows how black text looks on a background with the XYZ color 51.2109, 78.1125, 74.6655.

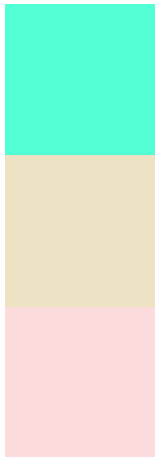


This preview shows how white text looks on a background with the XYZ color 51.2109, 78.1125,

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

51.2109, 78.1125, 74.6655

Protanopia

72.5343, 76.6011, 63.7858

Deuteranopia

78.0334, 76.3396, 78.3324



Tritanopia

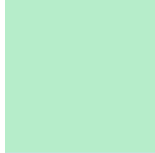
63.8034, 77.5015, 106.2042

Trichromacy



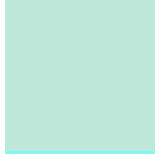
Original Color

51.2109, 78.1125, 74.6655



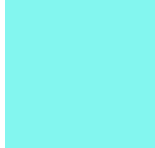
Protanomaly

60.2363, 74.7777, 67.1359



Deuteranomaly

62.6162, 73.6701, 76.5652



Tritanomaly

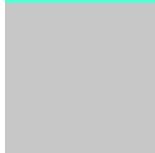
57.8958, 76.9688, 93.4664

Monochromacy



Original Color

51.2109, 78.1125, 74.6655



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.1352, 62.1908, 66.4884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2109, 78.1125, 74.6655 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(83, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(83, 255, 212)  
}
```

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(83, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 51.2109, 78.1125, 74.6655 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(83, 255, 212) }
```


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

```
.border{ border-color:rgb(83, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(83, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2109, 78.1125, 74.6655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 255, 212) }
```

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

```
.background{ background-color: rgb(83, 255,  
212) }
```

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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