

Converting Colors

XYZ(51.3040, 74.5771, 75.4432)

Have a look what the booklet for
XYZ(51.3040, 74.5771, 75.4432)
contains.

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Color

**XYZ(51.2241, 74.3798,
75.2753)**

Conversions

Conversions Part 1

Format	Color
Hex	69F7D6
RGB	105, 247, 214
RGB Percent	41%, 97%, 84%
CMY	0.5882, 0.0314, 0.1608
CMYK	0.57, 0.00, 0.13, 0.03
HSL	166°, 90%, 69%
HSV	166°, 57%, 97%
XYZ	51.2241, 74.3798, 75.2753
YIQ	200.7800, -74.0390, -40.3670

Conversions

Conversions Part 2

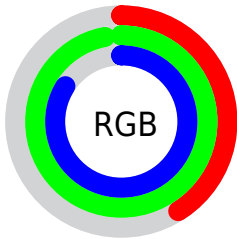
Format	Color
RYB	105, 185, 247
Decimal	6944726
CIELab	89.10, -46.13, 4.36
CIELCh	89, 46.336, 174.595
Yxy	74.3798, 0.2550, 0.3703
Android (android.graphics.Color)	4285134806 (0xFF69F7D6)
YUV	200.7800, 6.5175, -83.9991
Hunter-Lab	86.2437, -44.9072, 8.6211

Details

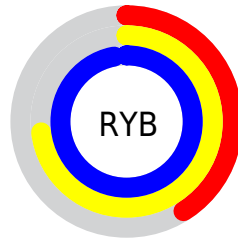
The XYZ color **51.2241, 74.3798, 75.2753** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **47.9993, 31.7144, 27.6393**, and the grayscale version is **55.3769, 58.2608, 63.4460**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **25.0724, 39.5368, 39.1108** is the 20% darker color. If you saturate the color by 10%, you get **48.0134, 72.8097, 71.3663**, and if you desaturate by 10%, it is **55.3071, 76.4003, 79.3633**.

Distribution



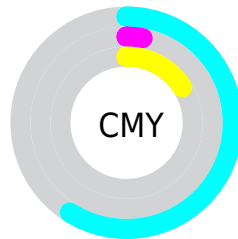
- Red (41%)
- Green (97%)
- Blue (84%)



- Red (41%)
- Yellow (73%)
- Blue (97%)



- Cyan (57%)
- Magenta (0%)
- Yellow (13%)
- Black (3%)




- Cyan (59%)
- Magenta (3%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2241, 74.3798, 75.2753 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 51.2241, 74.3798, 75.2753 by changing the saturation by 10% instead.


 51.2241, 74.3798,
75.2753


 51.2241, 74.3798,
75.2753


381.8072,
475.7832, 498.1439

 36.6088, 55.1049,
55.3354


 91.1670, 125.4341,
128.4527

 25.0770, 39.4858,
39.2699


 117.2252,
157.9822, 162.5272

 16.2635, 27.1378,
26.6603

 147.8284,
195.7237, 202.1503

 9.8028, 17.6768,
17.0881

183.3420,
239.0427, 247.7406

 5.3297, 10.7182,
10.1347

224.1314,
288.3238, 299.7165

 2.4787, 5.8777,
5.3816

270.5617,

 0.8845, 2.7708,

343.9513, 358.4967

2.4102

322.9986,
406.3096, 424.4997

0.0000, 1.0133,
0.7920

0.0000, 0.0000,
0.0000

51.2241, 74.3798,
75.2753

51.2241, 74.3798,
75.2753

48.0134, 72.8097,
71.3663

55.3071, 76.4003,
79.3633

45.5933, 71.6424,
67.6262

60.3226, 78.8966,
83.6295


43.8770, 70.8349,
64.0512


66.3326, 81.9026,
88.0799

42.7480, 70.3273,
60.6344


73.3919, 85.4465,
92.7183

 42.5123, 70.2241,
59.7988

 81.5514, 89.5544,
97.5483

 90.8583, 94.2507,
102.5735

 92.4213, 94.9517,
107.3790

 92.5520, 95.0040,
108.0673

Harmonies

Analogous

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



54.4477, 74.3798, 50.0633



51.2241, 74.3798, 75.2753



52.7490, 74.3798, 109.6937

Triad

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



51.2241, 74.3798, 75.2753



80.1142, 74.3798, 151.6277



84.0226, 74.3798, 40.1700

Complementary

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



51.2241, 74.3798, 75.2753



47.9993, 31.7144, 27.6393

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.



92.3113, 74.3798, 57.7839



51.2241, 74.3798, 75.2753



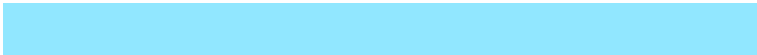
89.8919, 74.3798, 122.5744

Square

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



51.2241, 74.3798, 75.2753



68.6722, 74.3798, 159.9173



94.5655, 74.3798, 86.9805



72.7587, 74.3798, 33.5462

Rectangle

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



51.2241, 74.3798, 75.2753



56.3466, 74.3798, 132.9045



94.5655, 74.3798, 86.9805



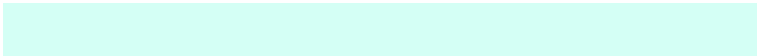
87.2950, 74.3798, 44.7308

Sweetspot

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



51.2262, 74.3827, 75.2770



79.2806, 92.0531, 99.9156



46.3163, 72.9591, 25.0075



16.6201, 19.5276, 21.1673



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.



51.2262, 74.3827, 75.2770



51.1399, 78.0449, 76.0590



45.4498, 55.3878, 96.2944



16.8223, 18.6881, 20.3486



22.5399, 37.1608, 31.9264



2.0201, 3.2817, 3.0115

Inverse Universe

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



47.9993, 31.7144, 27.6393



47.4263, 28.2139, 20.6973



50.7125, 40.4014, 18.4915



16.6569, 16.5456, 17.9399



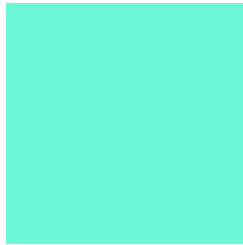
20.7271, 10.6343, 3.2711



1.8597, 0.9499, 0.4878

Previews

White Background



This preview shows how the XYZ color 51.2241, 74.3798, 75.2753 looks on a white background.

Color Contrast Check

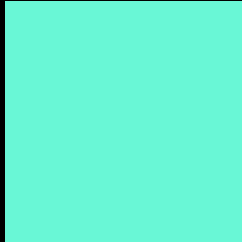
Large Text (above 18pt) WCAG AA × Fail

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 51.2241, 74.3798, 75.2753 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

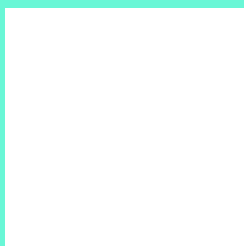
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.2241, 74.3798, 75.2753

Background



This preview shows how black text looks on a background with the XYZ color 51.2241, 74.3798, 75.2753.



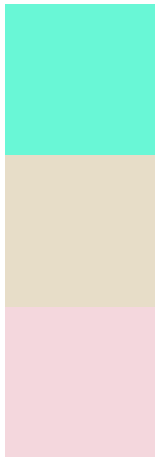
This preview shows how white text looks on a background with the XYZ color 51.2241, 74.3798,

75.2753.

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

51.2241, 74.3798, 75.2753

Protanopia

69.2368, 72.8720, 65.0601

Deuteranopia

74.6598, 73.0544, 78.5725



Tritanopia

59.6090, 74.0318, 105.7556

Trichromacy



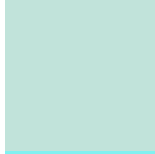
Original Color

51.2241, 74.3798, 75.2753



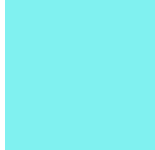
Protanomaly

59.3238, 71.3157, 68.3962



Deuteranomaly

62.1163, 71.3376, 76.8253



Tritanomaly

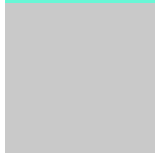
56.0856, 73.7911, 93.7252

Monochromacy



Original Color

51.2241, 74.3798, 75.2753



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.9379, 62.7060, 67.7586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2241, 74.3798, 75.2753 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(105, 247, 214)` looks like.

```
.text, #text, p{  
    color:rgb(105, 247, 214)  
}
```

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(105, 247, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 247, 214) }
```

Border

The CSS property to change the border of an element to XYZ 51.2241, 74.3798, 75.2753 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(105, 247, 214) }
```


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

```
.border{ border-color:rgb(105, 247, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 247, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 247, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 247, 214);  
box-shadow:4px 4px 4px 4px rgb(105, 247,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2241, 74.3798, 75.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 247, 214) }
```

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

```
.background{ background-color: rgb(105,  
247, 214) }
```

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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