

Converting Colors

XYZ(51.7436, 78.4156, 65.1169)

Have a look what the booklet for
XYZ(51.7436, 78.4156, 65.1169)
contains.

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Color

**XYZ(51.9014, 78.6770,
65.2740)**

Conversions

Conversions Part 1

Format	Color
Hex	6BFFC5
RGB	107, 255, 197
RGB Percent	42%, 100%, 77%
CMY	0.5804, 0.0000, 0.2274
CMYK	0.58, 0.00, 0.23, 0.00
HSL	156°, 100%, 71%
HSV	156°, 58%, 100%
XYZ	51.9014, 78.6770, 65.2740
YIQ	204.1360, -69.5900, -49.4140

Conversions

Conversions Part 2

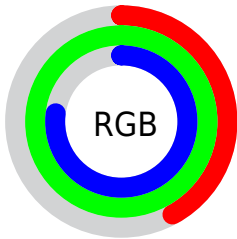
Format	Color
RYB	107, 199, 255
Decimal	7077829
CIELab	91.09, -52.91, 16.00
CIELCh	91, 55.271, 163.177
Yxy	78.6770, 0.2650, 0.4017
Android (android.graphics.Color)	4285267909 (0xFF6BFFC5)
YUV	204.1360, -3.5180, -85.1883
Hunter-Lab	88.7001, -50.7787, 18.4588

Details

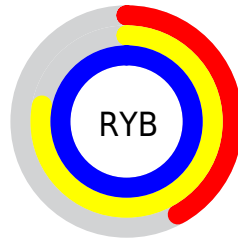
The XYZ color **51.9014, 78.6770, 65.2740** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.2897, 34.4928, 39.4471**, and the grayscale version is **57.5337, 60.5299, 65.9171**.

A 20% lighter version of the original color is **70.0116, 87.1108, 106.8900**, and **25.4309, 42.1769, 32.7872** is the 20% darker color. If you saturate the color by 10%, you get **48.1673, 76.8799, 59.3194**, and if you desaturate by 10%, it is **56.6166, 80.9710, 71.6734**.

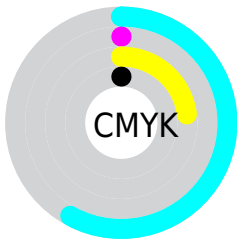
Distribution



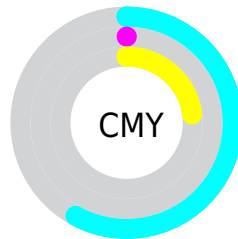
- Red (42%)
- Green (100%)
- Blue (77%)



- Red (42%)
- Yellow (78%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9014, 78.6770, 65.2740 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 51.9014, 78.6770, 65.2740 by changing the saturation by 10% instead.


 51.9014, 78.6770,
65.2740


 51.9014, 78.6770,
65.2740


384.3861,
490.4630, 462.1091


 37.1504, 58.6303,
47.2305


 92.1609, 131.5040,
114.0607

 25.4982, 42.3156,
32.8623


 118.4001,
165.0532, 145.6411

 16.5793, 29.3485,
21.7507


 149.1995,
203.8719, 182.5708

 10.0285, 19.3446,
13.4773

184.9244,
248.3445, 225.2685

 5.4802, 11.9195,
7.6234

225.9402,
298.8556, 274.1526

 2.5693, 6.6889,
3.7707

272.6121,

 0.9303, 3.2683,

355.7894, 329.6417

1.5004

325.3056,
419.5304, 392.1544

0.0000, 1.2734,
0.2182

0.0000, 0.1204,
0.0000

51.9014, 78.6770,
65.2740

51.9014, 78.6770,
65.2740

48.1673, 76.8799,
59.3194

56.6166, 80.9710,
71.6734

45.3285, 75.5358,
53.7941


62.3841, 83.7986,
78.5245


43.2874, 74.5945,
48.6870

69.2710, 87.1942,
85.8389

41.9110, 73.9876,
43.9837

77.3379, 91.1888,
93.6264

 41.6822, 73.8889,
43.1058

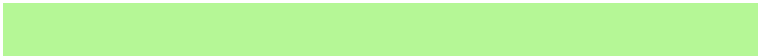
 86.6408, 95.8112,
101.8965

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.



57.8638, 78.6770, 40.9192



51.9014, 78.6770, 65.2740



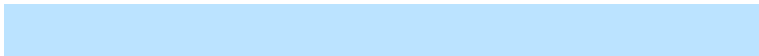
51.5555, 78.6770, 104.4283

Triad

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



51.9014, 78.6770, 65.2740



81.0727, 78.6770, 184.5282



96.1299, 78.6770, 43.0703

Complementary

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



51.9014, 78.6770, 65.2740



53.2897, 34.4928, 39.4471

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.



104.1036, 78.6770, 69.2972



51.9014, 78.6770, 65.2740



94.7085, 78.6770, 154.9070

Square

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



51.9014, 78.6770, 65.2740



67.2721, 78.6770, 182.4238



103.5532, 78.6770, 109.9157



82.8270, 78.6770, 31.1107

Rectangle

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



51.9014, 78.6770, 65.2740



54.4745, 78.6770, 135.0398



103.5532, 78.6770, 109.9157



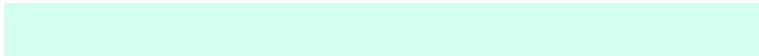
99.5924, 78.6770, 50.0855

Sweetspot

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



51.9021, 78.6773, 65.2753



78.2449, 91.6388, 94.4621



54.1823, 80.7105, 26.6339



16.3744, 19.4293, 19.8735



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.



51.9021, 78.6773, 65.2753



47.5424, 76.5819, 58.2017



55.3329, 72.7842, 105.7402



18.2356, 20.3538, 21.5439



21.8553, 38.6387, 22.9213



2.1817, 3.7836, 2.5146

Inverse Universe

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



53.2897, 34.4928, 39.4471



49.0826, 28.5875, 30.3097



50.8294, 36.1924, 18.2177



18.3041, 18.1050, 20.2186



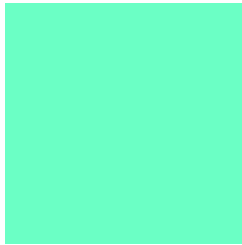
22.8170, 11.6161, 7.6869



2.2734, 1.1517, 1.0212

Previews

White Background



This preview shows how the XYZ color 51.9014, 78.6770, 65.2740 looks on a white background.

Color Contrast Check

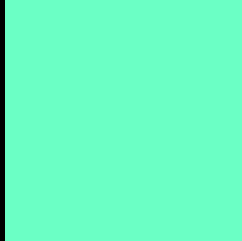
Large Text (above 18pt) WCAG AA × Fail

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 51.9014, 78.6770, 65.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

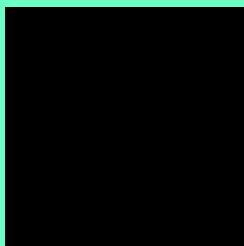
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9014, 78.6770, 65.2740

Background



This preview shows how black text looks on a background with the XYZ color 51.9014, 78.6770, 65.2740.



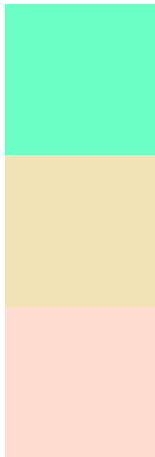
This preview shows how white text looks on a background with the XYZ color 51.9014, 78.6770,

65.2740.

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

51.9014, 78.6770, 65.2740

Protanopia

72.6343, 77.2343, 55.8792

Deuteranopia

78.0957, 76.9514, 69.7685



Tritanopia

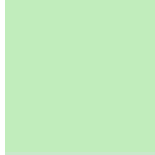
65.4416, 78.3461, 106.2809

Trichromacy



Original Color

51.9014, 78.6770, 65.2740



Protanomaly

61.3536, 75.5367, 58.9233



Deuteranomaly

64.0058, 75.0071, 67.6043



Tritanomaly

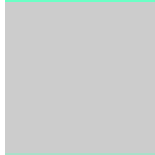
59.4841, 77.8718, 89.7375

Monochromacy



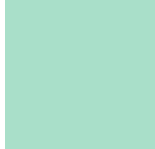
Original Color

51.9014, 78.6770, 65.2740



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.2925, 65.4274, 65.0783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9014, 78.6770, 65.2740 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(107, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 197)  
}
```

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(107, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 197) }
```

Border

The CSS property to change the border of an element to XYZ 51.9014, 78.6770, 65.2740 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(107, 255, 197) }
```


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

```
.border{ border-color:rgb(107, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9014, 78.6770, 65.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 197) }
```

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

```
.background{ background-color: rgb(107,  
255, 197) }
```

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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