

Converting Colors

XYZ(51.3308, 78.3814, 65.3115)

Have a look what the booklet for
XYZ(51.3308, 78.3814, 65.3115)
contains.

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Color

**XYZ(51.3175, 78.3760,
65.2467)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFC5
RGB	102, 255, 197
RGB Percent	40%, 100%, 77%
CMY	0.6000, 0.0000, 0.2274
CMYK	0.60, 0.00, 0.23, 0.00
HSL	157°, 100%, 70%
HSV	157°, 60%, 100%
XYZ	51.3175, 78.3760, 65.2467
YIQ	202.6410, -72.5700, -50.4740

Conversions

Conversions Part 2

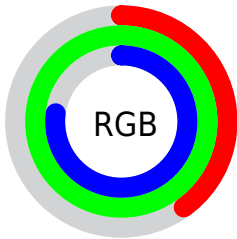
Format	Color
RYB	102, 196, 255
Decimal	6750149
CIELab	90.95, -53.85, 15.78
CIELCh	91, 56.120, 163.665
Yxy	78.3760, 0.2632, 0.4021
Android (android.graphics.Color)	4284940229 (0xFF66FFC5)
YUV	202.6410, -2.7810, -88.2622
Hunter-Lab	88.5302, -51.4584, 18.2745

Details

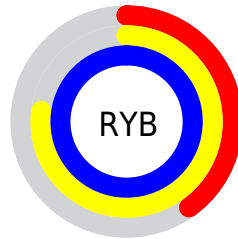
The XYZ color **51.3175, 78.3760, 65.2467** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.3371, 33.3016, 36.9279**, and the grayscale version is **56.5893, 59.5364, 64.8351**.

A 20% lighter version of the original color is **69.1664, 86.6751, 106.8504**, and **25.0622, 41.9868, 32.7700** is the 20% darker color. If you saturate the color by 10%, you get **47.7863, 76.6795, 59.4844**, and if you desaturate by 10%, it is **55.8097, 80.5596, 71.4275**.

Distribution



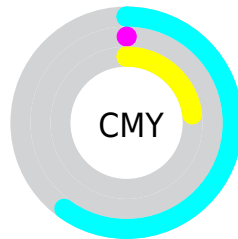
- Red (40%)
- Green (100%)
- Blue (77%)



- Red (40%)
- Yellow (77%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3175, 78.3760, 65.2467 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 51.3175, 78.3760, 65.2467 by changing the saturation by 10% instead.


 51.3175, 78.3760,
65.2467

 51.3175, 78.3760,
65.2467


382.1635,
489.4428, 462.0084


 36.6834, 58.3829,
47.2085


 91.3041, 131.0800,
114.0211

 25.1350, 42.1166,
32.8450


 117.3874,
164.5597, 145.5945

 16.3069, 29.1926,
21.7376


 148.0177,
203.3038, 182.5166

 9.8338, 19.2265,
13.4677

183.5605,
247.6966, 225.2061

 5.3503, 11.8341,
7.6169

224.3812,
298.1225, 274.0815

 2.4911, 6.6308,
3.7666

270.8449,

 0.8908, 3.2323,

354.9659, 329.5613

1.4982

323.3173,
418.6112, 392.0641

■ 0.0000, 1.2542,
0.2166

■ 0.0000, 0.1053,
0.0000

■ 51.3175, 78.3760,
65.2467

■ 51.3175, 78.3760,
65.2467

■ 47.7863, 76.6795,
59.4844

■ 55.8097, 80.5596,
71.4275

■ 45.1281, 75.4250,
54.1255

■ 61.3357, 83.2679,
78.0328

■ 43.2416, 74.5604,
49.1596

■ 67.9637, 86.5358,
85.0738

■ 41.9606, 74.0002,
44.5715

■ 75.7551, 90.3948,
92.5597

■ 41.9604, 74.0002,
44.5709

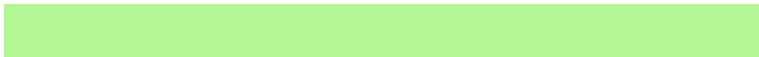
■ 84.7667, 94.8741,
100.4994

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.



57.2445, 78.3760, 40.4731



51.3175, 78.3760, 65.2467



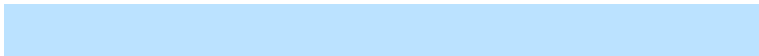
51.0621, 78.3760, 105.1009

Triad

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



51.3175, 78.3760, 65.2467



81.1080, 78.3760, 185.6447



95.9584, 78.3760, 42.0542

Complementary

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



51.3175, 78.3760, 65.2467



52.3371, 33.3016, 36.9279

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.



104.1802, 78.3760, 68.2224



51.3175, 78.3760, 65.2467



94.9013, 78.3760, 155.0205

Square

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



51.3175, 78.3760, 65.2467



67.1014, 78.3760, 184.0719



103.7705, 78.3760, 109.1810



82.4106, 78.3760, 30.2789

Rectangle

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



51.3175, 78.3760, 65.2467



54.0676, 78.3760, 136.2266



103.7705, 78.3760, 109.1810



99.5089, 78.3760, 49.0234

Sweetspot

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



51.3182, 78.3763, 65.2480



77.4567, 91.2395, 94.1099



52.7864, 80.0204, 25.2347



16.0521, 19.2675, 19.6616



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.



51.3182, 78.3763, 65.2480



47.1873, 76.3945, 58.3797



53.8577, 70.7005, 105.4157



18.2458, 20.3579, 21.5975



22.0002, 38.6967, 23.6841



2.1953, 3.7890, 2.5862

Inverse Universe

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



52.3371, 33.3016, 36.9279



48.3264, 27.7406, 28.0063



50.3373, 35.6171, 16.7931



18.2942, 18.1010, 20.1666



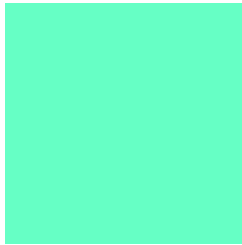
22.7348, 11.5832, 7.2541



2.2647, 1.1483, 0.9755

Previews

White Background



This preview shows how the XYZ color 51.3175, 78.3760, 65.2467 looks on a white background.

Color Contrast Check

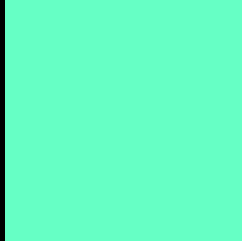
Large Text (above 18pt) WCAG AA × Fail

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 51.3175, 78.3760, 65.2467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

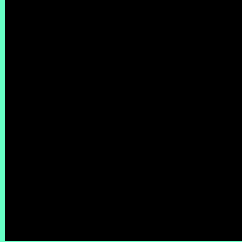
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

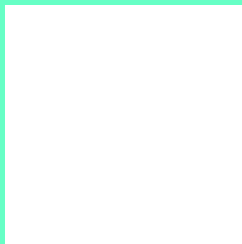
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.3175, 78.3760, 65.2467

Background



This preview shows how black text looks on a background with the XYZ color 51.3175, 78.3760, 65.2467.



This preview shows how white text looks on a background with the XYZ color 51.3175, 78.3760,

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

51.3175, 78.3760, 65.2467

Protanopia

72.2920, 77.0578, 55.8632

Deuteranopia

78.0957, 76.9514, 69.7685



Tritanopia

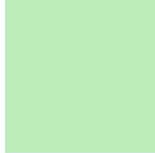
64.5199, 77.4327, 106.1532

Trichromacy



Original Color

51.3175, 78.3760, 65.2467



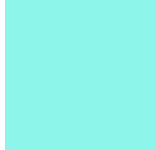
Protanomaly

60.5965, 75.1464, 58.8879



Deuteranomaly

63.4716, 74.7317, 67.5793



Tritanomaly

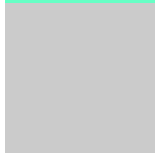
58.4882, 76.9080, 89.6040

Monochromacy



Original Color

51.3175, 78.3760, 65.2467



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.3898, 64.5666, 64.9597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3175, 78.3760, 65.2467 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(102, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 197) }
```

Border

The CSS property to change the border of an element to XYZ 51.3175, 78.3760, 65.2467 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(102, 255, 197) }
```


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

```
.border{ border-color:rgb(102, 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(102, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3175, 78.3760, 65.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 197) }
```

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

```
.background{ background-color: rgb(102,  
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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