

Converting Colors

XYZ(50.6215, 78.0976, 61.5812)

Have a look what the booklet for
XYZ(50.6215, 78.0976, 61.5812)
contains.

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Color

**XYZ(50.6435, 78.1064,
61.6971)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFBF
RGB	102, 255, 191
RGB Percent	40%, 100%, 75%
CMY	0.6000, 0.0000, 0.2510
CMYK	0.60, 0.00, 0.25, 0.00
HSL	155°, 100%, 70%
HSV	155°, 60%, 100%
XYZ	50.6435, 78.1064, 61.6971
YIQ	201.9570, -70.6440, -52.3400

Conversions

Conversions Part 2

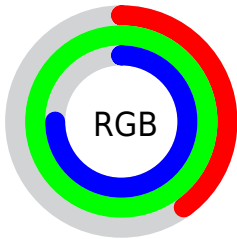
Format	Color
RYB	102, 199, 255
Decimal	6750143
CIELab	90.83, -55.12, 18.69
CIELCh	91, 58.198, 161.271
Yxy	78.1064, 0.2659, 0.4101
Android (android.graphics.Color)	4284940223 (0xFF66FFBF)
YUV	201.9570, -5.4018, -87.6623
Hunter-Lab	88.3778, -52.3746, 20.4738

Details

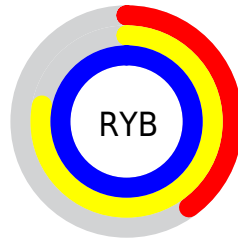
The XYZ color **50.6435, 78.1064, 61.6971** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.8749, 33.5168, 39.7599**, and the grayscale version is **56.1767, 59.1023, 64.3624**.

A 20% lighter version of the original color is **68.0656, 86.2347, 101.0532**, and **24.6332, 41.8168, 30.4401** is the 20% darker color. If you saturate the color by 10%, you get **47.0532, 76.3862, 55.6236**, and if you desaturate by 10%, it is **55.2092, 80.3194, 68.2652**.

Distribution



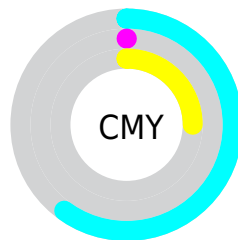
- Red (40%)
- Green (100%)
- Blue (75%)



- Red (40%)
- Yellow (78%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6435, 78.1064, 61.6971 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 50.6435, 78.1064, 61.6971 by changing the saturation by 10% instead.

 50.6435, 78.1064,
61.6971


 50.6435, 78.1064,
61.6971


379.5876,
488.5281, 448.8025


 36.1449, 58.1614,
44.3538


 90.3137, 130.7001,
108.8550

 24.7167, 41.9384,
30.6095


 116.2160,
164.1176, 139.5066

 15.9937, 29.0531,
20.0457


 146.6502,
202.7947, 175.4315

 9.6105, 19.1210,
12.2439

181.9817,
247.1158, 217.0480

 5.2018, 11.7577,
6.7854

222.5759,
297.4653, 264.7749

 2.4021, 6.5789,
3.2519

268.7980,

 0.8462, 3.2002,

354.2276, 319.0305

1.2246

321.0135,
417.7870, 380.2336

0.0000, 1.2371,
0.0000

0.0000, 0.0917,
0.0000

50.6435, 78.1064,
61.6971

50.6435, 78.1064,
61.6971

47.0532, 76.3862,
55.6236

55.2092, 80.3194,
68.2652

44.3499, 75.1137,
50.0272

60.8237, 83.0631,
75.3365

42.4317, 74.2364,
44.8948

67.5556, 86.3726,
82.9245

41.1320, 73.6688,
40.2082

75.4667, 90.2794,
91.0407

■ 41.1318, 73.6687,
40.2075

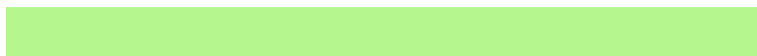
■ 84.6143, 94.8131,
99.6961

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.



57.1755, 78.1064, 37.7047



50.6435, 78.1064, 61.6971



49.9127, 78.1064, 101.7937

Triad

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



50.6435, 78.1064, 61.6971



79.8764, 78.1064, 191.1339



97.4674, 78.1064, 42.1823

Complementary

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



50.6435, 78.1064, 61.6971



52.8749, 33.5168, 39.7599

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.



105.4063, 78.1064, 70.2416



50.6435, 78.1064, 61.6971



94.3959, 78.1064, 161.1626

Square

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



50.6435, 78.1064, 61.6971



65.5614, 78.1064, 186.5150



104.2137, 78.1064, 113.6444



83.6478, 78.1064, 29.2655

Rectangle

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



50.6435, 78.1064, 61.6971



52.6842, 78.1064, 134.1291



104.2137, 78.1064, 113.6444



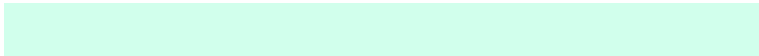
100.9894, 78.1064, 49.6868

Sweetspot

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



50.6442, 78.1067, 61.6984



77.1941, 91.1344, 92.7269



54.3714, 80.8375, 25.3090



15.9878, 19.2418, 19.3233



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.



50.6442, 78.1067, 61.6984



46.4440, 76.0972, 54.4656



56.1220, 75.2291, 106.1705



18.2147, 20.3454, 21.4336



21.5684, 38.5240, 21.4105



2.1546, 3.7728, 2.3718

Inverse Universe

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



52.8749, 33.5168, 39.7599



48.8799, 27.9620, 30.9207



49.4552, 33.8528, 16.4991



18.3245, 18.1131, 20.3262



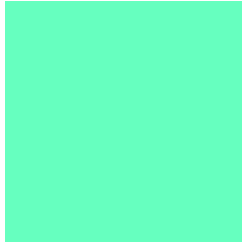
22.9967, 11.6880, 8.6332



2.2921, 1.1592, 1.1197

Previews

White Background



This preview shows how the XYZ color 50.6435, 78.1064, 61.6971 looks on a white background.

Color Contrast Check

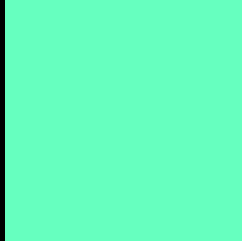
Large Text (above 18pt) WCAG AA × Fail

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 50.6435, 78.1064, 61.6971 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 50.6435, 78.1064, 61.6971

Background



This preview shows how black text looks on a background with the XYZ color 50.6435, 78.1064, 61.6971.

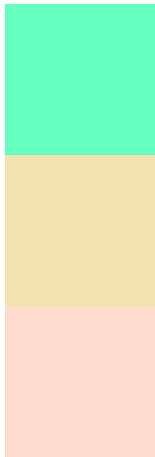


This preview shows how white text looks on a background with the XYZ color 50.6435, 78.1064,

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

50.6435, 78.1064, 61.6971

Protanopia

72.0228, 76.9897, 52.6595

Deuteranopia

77.6127, 76.7582, 67.2251



Tritanopia

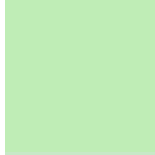
64.3143, 77.3267, 106.1436

Trichromacy



Original Color

50.6435, 78.1064, 61.6971



Protanomaly

60.2135, 75.0221, 55.5631



Deuteranomaly

63.0009, 74.5435, 65.1007



Tritanomaly

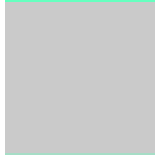
58.2024, 76.7937, 88.0990

Monochromacy



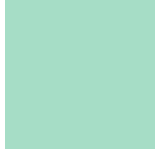
Original Color

50.6435, 78.1064, 61.6971



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.7754, 63.8971, 63.0306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6435, 78.1064, 61.6971 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 191) }
```

Border

The CSS property to change the border of an element to XYZ 50.6435, 78.1064, 61.6971 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, 191) }
```


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

```
.border{ border-color:rgb(102, 255, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6435, 78.1064, 61.6971 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, 191) }
```

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

```
.background{ background-color: rgb(102,  
255, 191) }
```

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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