

Converting Colors

XYZ(48.8681, 77.3962, 52.3483)

Have a look what the booklet for
XYZ(48.8681, 77.3962, 52.3483)
contains.

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Color

**XYZ(48.8795, 77.4008,
52.4080)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFAE
RGB	102, 255, 174
RGB Percent	40%, 100%, 68%
CMY	0.6000, 0.0000, 0.3176
CMYK	0.60, 0.00, 0.32, 0.00
HSL	148°, 100%, 70%
HSV	148°, 60%, 100%
XYZ	48.8795, 77.4008, 52.4080
YIQ	200.0190, -65.1870, -57.6270

Conversions

Conversions Part 2

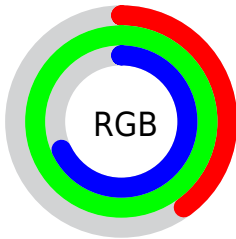
Format	Color
RYB	102, 206, 255
Decimal	6750126
CIELab	90.51, -58.49, 26.89
CIELCh	91, 64.373, 155.307
Yxy	77.4008, 0.2735, 0.4332
Android (android.graphics.Color)	4284940206 (0xFF66FFAE)
YUV	200.0190, -12.8274, -85.9627
Hunter-Lab	87.9777, -54.7883, 26.2656

Details

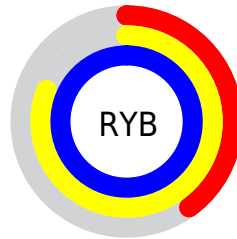
The XYZ color **48.8795, 77.4008, 52.4080** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **54.5391, 34.1824, 48.5236**, and the grayscale version is **55.0169, 57.8820, 63.0335**.

A 20% lighter version of the original color is **65.5600, 85.2325, 87.8591**, and **23.5834, 41.3985, 24.8369** is the 20% darker color. If you saturate the color by 10%, you get **45.1699, 75.6329, 45.7066**, and if you desaturate by 10%, it is **53.6111, 79.6802, 59.8504**.

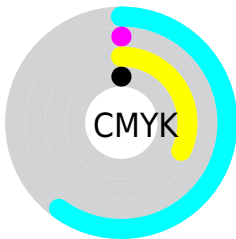
Distribution



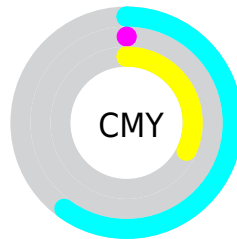
- Red (40%)
- Green (100%)
- Blue (68%)



- Red (40%)
- Yellow (81%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8795, 77.4008, 52.4080 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 48.8795, 77.4008, 52.4080 by changing the saturation by 10% instead.


 48.8795, 77.4008,
52.4080


 48.8795, 77.4008,
52.4080


372.7926,
486.1295, 413.0114


 34.7380, 57.5819,
36.9459


 87.7143, 129.7051,
95.1654

 23.6267, 41.4726,
24.8702


 113.1383,
162.9593, 123.2977

 15.1802, 28.6886,
15.7622


 143.0538,
201.4606, 156.4906

 9.0331, 18.8453,
9.2035

177.8263,
245.5936, 195.1625

 4.8201, 11.5586,
4.7755

217.8211,
295.7426, 239.7320

 2.1757, 6.4439,
2.0597

263.4035,

 0.7299, 3.1168,

352.2920, 290.6176

0.5917

314.9389,
415.6261, 348.2379

0.0000, 1.1930,
0.0000

0.0000, 0.0560,
0.0000

48.8795, 77.4008,
52.4080

48.8795, 77.4008,
52.4080

45.1699, 75.6329,
45.7066

53.6111, 79.6802,
59.8504

42.3921, 74.3306,
39.7178

59.4404, 82.5098,
68.0529

40.4419, 73.4405,
34.4168

66.4377, 85.9254,
77.0387

39.1504, 72.8762,
29.7733

74.6666, 89.9594,
86.8288

■ 39.1502, 72.8761,
29.7727

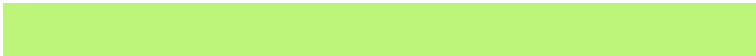
■ 84.1863, 94.6419,
97.4433

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.



57.0911, 77.4008, 30.6659



48.8795, 77.4008, 52.4080



46.8545, 77.4008, 92.7432

Triad

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



48.8795, 77.4008, 52.4080



76.4670, 77.4008, 206.9168



101.8226, 77.4008, 42.7286

Complementary

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



48.8795, 77.4008, 52.4080



54.5391, 34.1824, 48.5236

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.



108.8847, 77.4008, 76.3411



48.8795, 77.4008, 52.4080



92.9424, 77.4008, 179.2703

Square

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



48.8795, 77.4008, 52.4080



61.3813, 77.4008, 193.1748



105.4193, 77.4008, 126.9893



87.2676, 77.4008, 26.6744

Rectangle

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



48.8795, 77.4008, 52.4080



48.9864, 77.4008, 128.1251



105.4193, 77.4008, 126.9893



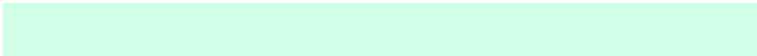
105.2411, 77.4008, 51.7828

Sweetspot

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



48.8801, 77.4011, 52.4093



76.4643, 90.8425, 88.8837



57.8303, 82.6206, 25.4707



15.8100, 19.1707, 18.3867



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.



48.8801, 77.4011, 52.4093



44.5424, 75.3365, 44.4517



58.4795, 81.2408, 102.9592



18.1274, 20.3105, 20.9738



20.5309, 38.1089, 15.9467



2.0537, 3.7324, 1.8405

Inverse Universe

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



54.5391, 34.1824, 48.5236



50.6426, 28.6671, 40.2033



48.6510, 31.8271, 17.5175



18.4113, 18.1478, 20.7828



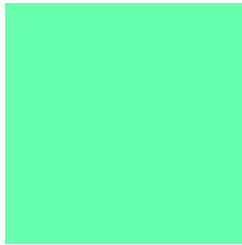
23.9100, 12.0533, 13.4424



2.3833, 1.1957, 1.5997

Previews

White Background



This preview shows how the XYZ color 48.8795, 77.4008, 52.4080 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 48.8795, 77.4008, 52.4080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

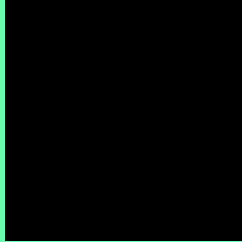
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

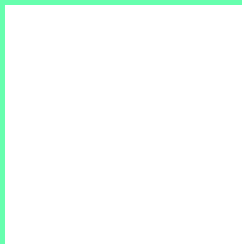
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8795, 77.4008, 52.4080

Background



This preview shows how black text looks on a background with the XYZ color 48.8795, 77.4008, 52.4080.

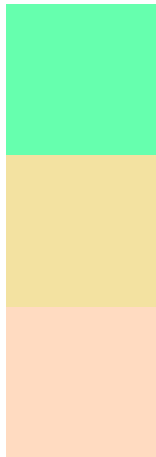


This preview shows how white text looks on a background with the XYZ color 48.8795, 77.4008,

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

48.8795, 77.4008, 52.4080

Protanopia

70.5915, 76.0206, 44.6711

Deuteranopia

76.1972, 75.7733, 61.0618



Tritanopia

63.7073, 77.0138, 106.1152

Trichromacy



Original Color

48.8795, 77.4008, 52.4080



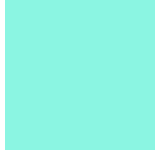
Protanomaly

58.9053, 74.5280, 47.3571



Deuteranomaly

61.2727, 73.4005, 57.3927



Tritanomaly

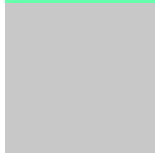
57.0273, 76.2848, 83.6703

Monochromacy



Original Color

48.8795, 77.4008, 52.4080



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.3070, 62.8405, 58.7682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8795, 77.4008, 52.4080 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 174) }
```

Border

The CSS property to change the border of an element to XYZ 48.8795, 77.4008, 52.4080 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, 174) }
```


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

```
.border{ border-color:rgb(102, 255, 174) }
```

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, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8795, 77.4008, 52.4080 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, 174) }
```

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

```
.background{ background-color: rgb(102,  
255, 174) }
```

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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