

Converting Colors

XYZ(48.5105, 77.1884, 53.3896)

Have a look what the booklet for
XYZ(48.5105, 77.1884, 53.3896)
contains.

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Color

**XYZ(48.5262, 77.1960,
53.4170)**

Conversions

Conversions Part 1

Format	Color
Hex	61FFB0
RGB	97, 255, 176
RGB Percent	38%, 100%, 69%
CMY	0.6196, 0.0000, 0.3098
CMYK	0.62, 0.00, 0.31, 0.00
HSL	150°, 100%, 69%
HSV	150°, 62%, 100%
XYZ	48.5262, 77.1960, 53.4170
YIQ	198.7520, -68.8090, -58.0650

Conversions

Conversions Part 2

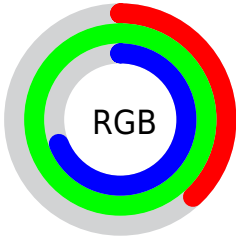
Format	Color
RYB	97, 202, 255
Decimal	6422448
CIELab	90.41, -59.05, 25.73
CIELCh	90, 64.412, 156.455
Yxy	77.1960, 0.2709, 0.4309
Android (android.graphics.Color)	4284612528 (0xFF61FFB0)
YUV	198.7520, -11.2167, -89.2365
Hunter-Lab	87.8613, -55.1708, 25.4563

Details

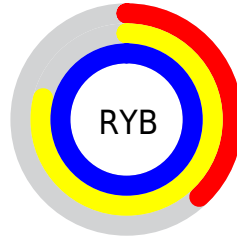
The XYZ color **48.5262, 77.1960, 53.4170** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **53.3515, 32.9445, 44.6215**, and the grayscale version is **54.2311, 57.0553, 62.1332**.

A 20% lighter version of the original color is **65.0234, 84.9233, 89.3087**, and **23.5414, 41.3626, 25.4819** is the 20% darker color. If you saturate the color by 10%, you get **45.0291, 75.5321, 46.9750**, and if you desaturate by 10%, it is **53.0159, 79.3578, 60.5266**.

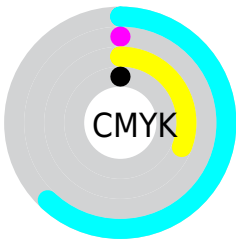
Distribution



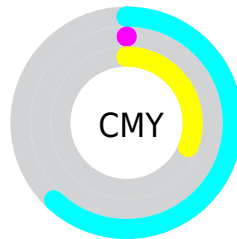
- Red (38%)
- Green (100%)
- Blue (69%)



- Red (38%)
- Yellow (79%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5262, 77.1960, 53.4170 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 48.5262, 77.1960, 53.4170 by changing the saturation by 10% instead.


 48.5262, 77.1960,
53.4170


 48.5262, 77.1960,
53.4170


371.4221,
485.4320, 416.9945


 34.4568, 57.4138,
37.7458


 87.1923, 129.4161,
96.6655

 23.4093, 41.3375,
25.4851


 112.5197,
162.6228, 125.0797

 15.0184, 28.5829,
16.2166


 142.3304,
201.0730, 158.5788

 8.9187, 18.7655,
9.5215

176.9899,
245.1513, 197.5812

 4.7449, 11.5010,
4.9814

216.8634,
295.2419, 242.5054

 2.1316, 6.4049,
2.1778

262.3164,

 0.7063, 3.0928,

351.7293, 293.7700

0.6615

313.7142,
414.9979, 351.7935

0.0000, 1.1804,
0.0000

0.0000, 0.0456,
0.0000

48.5262, 77.1960,
53.4170

48.5262, 77.1960,
53.4170

45.0291, 75.5321,
46.9750

53.0159, 79.3578,
60.5266

42.4324, 74.3192,
41.1755


58.5751, 82.0569,
68.3199

40.6284, 73.5019,
35.9970

65.2748, 85.3296,
76.8171

39.6235, 73.0654,
32.2651

73.1793, 89.2087,
86.0364

 82.3479, 93.7243,
95.9952

 92.8357, 98.9046,
106.7102

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.



56.4952, 77.1960, 31.0626



48.5262, 77.1960, 53.4170



46.7437, 77.1960, 94.4040

Triad

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



48.5262, 77.1960, 53.4170



76.9028, 77.1960, 206.2760



101.1493, 77.1960, 41.6610

Complementary

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



48.5262, 77.1960, 53.4170



53.3515, 32.9445, 44.6215

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.



108.5734, 77.1960, 74.4883



48.5262, 77.1960, 53.4170



93.3151, 77.1960, 177.2580

Square

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



48.5262, 77.1960, 53.4170



61.7041, 77.1960, 194.1341



105.5152, 77.1960, 124.6089



86.4263, 77.1960, 26.2139

Rectangle

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



48.5262, 77.1960, 53.4170



49.0316, 77.1960, 129.9822



105.5152, 77.1960, 124.6089



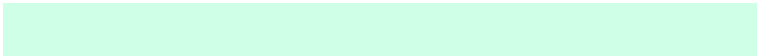
104.6722, 77.1960, 50.4613

Sweetspot

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



48.5268, 77.1962, 53.4183



75.7586, 90.4775, 88.9060



55.8226, 81.6134, 24.1208



15.6815, 19.1032, 18.4357



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.



48.5268, 77.1962, 53.4183



44.4293, 75.2496, 45.7401



58.7401, 81.2815, 107.2007



18.1504, 20.3197, 21.0949



20.7795, 38.2084, 17.2561



2.0783, 3.7423, 1.9704

Inverse Universe

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



53.3515, 32.9445, 44.6215



49.6079, 27.7524, 36.2982



47.6728, 30.6730, 14.7178



18.3882, 18.1386, 20.6613



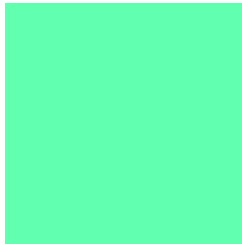
23.6428, 11.9464, 12.0355



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 48.5262, 77.1960, 53.4170 looks on a white background.

Color Contrast Check

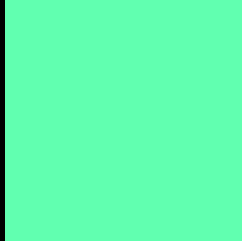
Large Text (above 18pt) WCAG AA × Fail

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 48.5262, 77.1960, 53.4170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

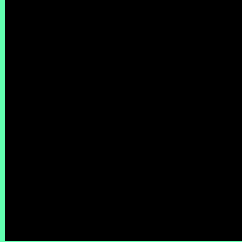
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5262, 77.1960, 53.4170

Background



This preview shows how black text looks on a background with the XYZ color 48.5262, 77.1960, 53.4170.



This preview shows how white text looks on a background with the XYZ color 48.5262, 77.1960,

53.4170.

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

48.5262, 77.1960, 53.4170

Protanopia

70.4982, 75.5495, 45.5172

Deuteranopia

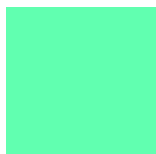
76.3091, 75.8181, 61.6514



Tritanopia

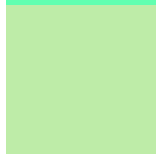
63.3106, 76.8093, 106.0966

Trichromacy



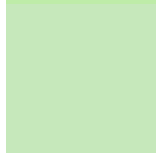
Original Color

48.5262, 77.1960, 53.4170



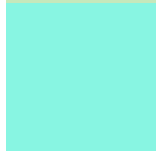
Protanomaly

58.2985, 73.7652, 48.2112



Deuteranomaly

61.1150, 73.3068, 57.9422



Tritanomaly

56.5332, 76.0300, 83.6472

Monochromacy



Original Color

48.5262, 77.1960, 53.4170



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.6358, 62.1060, 58.6618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5262, 77.1960, 53.4170 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(97, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 176)  
}
```

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(97, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 48.5262, 77.1960, 53.4170 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(97, 255, 176) }
```


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

```
.border{ border-color:rgb(97, 255, 176) }
```

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

Here you see how a box with a 4 pixel rgb(97, 255, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5262, 77.1960, 53.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 176) }
```

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

```
.background{ background-color: rgb(97, 255,  
176) }
```

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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