

Converting Colors

XYZ(48.8475, 77.0362, 68.1341)

Have a look what the booklet for
XYZ(48.8475, 77.0362, 68.1341)
contains.

XYZ(48.8749, 77.0495, 68.1732)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.8749, 77.0495,
68.1732)**

Conversions

Conversions Part 1

Format	Color
Hex	45FFCA
RGB	69, 255, 202
RGB Percent	27%, 100%, 79%
CMY	0.7294, 0.0000, 0.2078
CMYK	0.73, 0.00, 0.21, 0.00
HSL	163°, 100%, 64%
HSV	163°, 73%, 100%
XYZ	48.8749, 77.0495, 68.1732
YIQ	193.3440, -93.8430, -55.9150

Conversions

Conversions Part 2

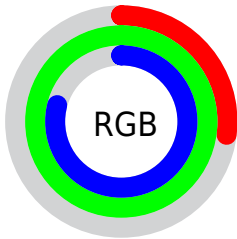
Format	Color
RYB	69, 177, 255
Decimal	4587466
CIELab	90.34, -57.80, 12.25
CIELCh	90, 59.089, 168.032
Yxy	77.0495, 0.2518, 0.3970
Android (android.graphics.Color)	4282777546 (0xFF45FFCA)
YUV	193.3440, 4.2674, -109.0497
Hunter-Lab	87.7778, -54.2220, 15.3965

Details

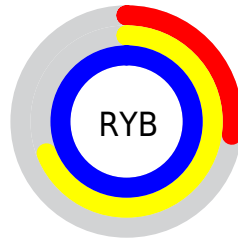
The XYZ color **48.8749, 77.0495, 68.1732** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.8817, 26.9224, 21.1396**, and the grayscale version is **50.9070, 53.5581, 58.3248**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **25.3115, 42.0706, 34.8034** is the 20% darker color. If you saturate the color by 10%, you get **46.5982, 75.9728, 63.6817**, and if you desaturate by 10%, it is **51.9702, 78.5433, 72.9172**.

Distribution



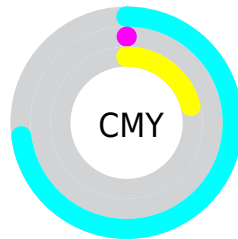
- Red (27%)
- Green (100%)
- Blue (79%)



- Red (27%)
- Yellow (69%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (73%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8749, 77.0495, 68.1732 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 48.8749, 77.0495, 68.1732 by changing the saturation by 10% instead.


 48.8749, 77.0495,
68.1732


 48.8749, 77.0495,
68.1732


372.7748,
484.9328, 472.7241


 34.7344, 57.2935,
49.5711


 87.7075, 129.2094,
118.2564


 23.6239, 41.2409,
34.7039


 113.1302,
162.3820, 150.5746

 15.1781, 28.5074,
23.1532


 143.0444,
200.7956, 188.3020

 9.0316, 18.7085,
14.5003

 177.8154,
244.8347, 231.8569

 4.8191, 11.4598,
8.3267

217.8086,
294.8835, 281.6581

 2.1752, 6.3770,
4.2140

263.3893,

 0.7296, 3.0757,

351.3266, 338.1240

1.7434

314.9229,
414.5482, 401.6732

■ 0.0000, 1.1714,
0.3903

■ 0.0000, 0.0381,
0.0000

■ 48.8749, 77.0495,
68.1732

■ 48.8749, 77.0495,
68.1732

■ 46.5982, 75.9728,
63.6817

■ 51.9702, 78.5433,
72.9172

■ 45.0296, 75.2567,
59.4306

■ 55.9706, 80.4991,
77.9165


■ 44.2386, 74.9114,
56.5676


■ 60.9541, 82.9569,
83.1789

■ 66.9894, 85.9520,
88.7103

 74.1387, 89.5165,
94.5163

 82.4594, 93.6799,
100.6023

 92.0050, 98.4697,
106.9731

 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.



54.1300, 77.0495, 40.5039



48.8749, 77.0495, 68.1732



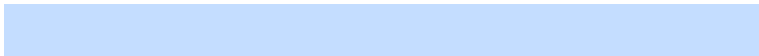
49.4694, 77.0495, 111.5883

Triad

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



48.8749, 77.0495, 68.1732



82.3542, 77.0495, 187.0675



93.8514, 77.0495, 36.8839

Complementary

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



48.8749, 77.0495, 68.1732



46.8817, 26.9224, 21.1396

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.



103.5990, 77.0495, 61.2084



48.8749, 77.0495, 68.1732



96.3729, 77.0495, 150.6615

Square

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



48.8749, 77.0495, 68.1732



67.5159, 77.0495, 190.8831



104.5791, 77.0495, 101.8625



79.2645, 77.0495, 26.9341

Rectangle

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



48.8749, 77.0495, 68.1732



53.1141, 77.0495, 144.4431



104.5791, 77.0495, 101.8625



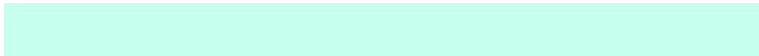
97.8824, 77.0495, 43.1879

Sweetspot

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



48.8757, 77.0498, 68.1746



74.8688, 89.8813, 95.0755



45.2634, 76.2951, 17.9722



15.5794, 19.0157, 20.0057



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.



48.8757, 77.0498, 68.1746



45.7235, 75.5693, 61.5003



45.5247, 58.5253, 103.5049



18.3212, 20.3880, 21.9943



23.1831, 39.1698, 29.9132



2.3043, 3.8327, 3.1604

Inverse Universe

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



46.8817, 26.9224, 21.1396



43.7644, 23.0371, 12.8576



47.4897, 32.0403, 9.3128



18.2222, 18.0722, 19.7870



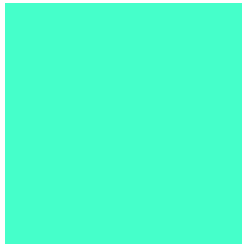
22.2264, 11.3798, 4.5765



2.2087, 1.1258, 0.6803

Previews

White Background



This preview shows how the XYZ color 48.8749, 77.0495, 68.1732 looks on a white background.

Color Contrast Check

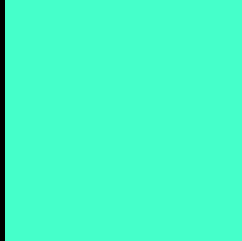
Large Text (above 18pt) WCAG AA × Fail

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 48.8749, 77.0495, 68.1732 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 48.8749, 77.0495, 68.1732

Background



This preview shows how black text looks on a background with the XYZ color 48.8749, 77.0495, 68.1732.



This preview shows how white text looks on a background with the XYZ color 48.8749, 77.0495,

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

48.8749, 77.0495, 68.1732

Protanopia

71.1547, 75.6154, 57.8587

Deuteranopia

76.9537, 75.1615, 71.4245



Tritanopia

61.9726, 76.1195, 106.0340

Trichromacy



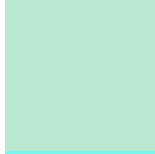
Original Color

48.8749, 77.0495, 68.1732



Protanomaly

57.6413, 73.1438, 60.9493



Deuteranomaly

60.0881, 72.0959, 69.7804



Tritanomaly

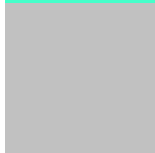
55.6779, 75.4259, 90.9810

Monochromacy



Original Color

48.8749, 77.0495, 68.1732



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

46.7324, 59.3932, 61.2255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8749, 77.0495, 68.1732 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(69, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(69, 255, 202)  
}
```

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(69, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.8749, 77.0495, 68.1732 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(69, 255, 202) }
```


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

```
.border{ border-color:rgb(69, 255, 202) }
```

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

Here you see how a box with a 4 pixel rgb(69, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(69, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8749, 77.0495, 68.1732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 255, 202) }
```

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

```
.background{ background-color: rgb(69, 255,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor