

Converting Colors

XYZ(48.0986, 76.6638, 67.4797)

Have a look what the booklet for
XYZ(48.0986, 76.6638, 67.4797)
contains.

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Color

**XYZ(48.1062, 76.6669,
67.5211)**

Conversions

Conversions Part 1

Format	Color
Hex	3BFFC9
RGB	59, 255, 201
RGB Percent	23%, 100%, 79%
CMY	0.7686, 0.0000, 0.2118
CMYK	0.77, 0.00, 0.21, 0.00
HSL	163°, 100%, 62%
HSV	163°, 77%, 100%
XYZ	48.1062, 76.6669, 67.5211
YIQ	190.2400, -99.4820, -58.3460

Conversions

Conversions Part 2

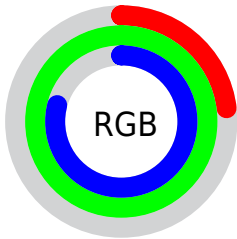
Format	Color
RYB	59, 173, 255
Decimal	3932105
CIELab	90.17, -59.16, 12.50
CIElCh	90, 60.461, 168.072
Yxy	76.6669, 0.2502, 0.3987
Android (android.graphics.Color)	4282122185 (0xFF3BFFC9)
YUV	190.2400, 5.3047, -115.0975
Hunter-Lab	87.5596, -55.1596, 15.5706

Details

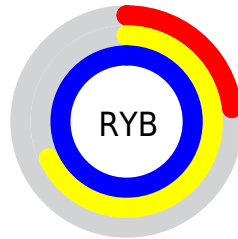
The XYZ color **48.1062, 76.6669, 67.5211** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **45.7853, 25.5811, 18.1488**, and the grayscale version is **49.0942, 51.6509, 56.2478**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **25.2327, 42.0391, 34.3882** is the 20% darker color. If you saturate the color by 10%, you get **46.1386, 75.7458, 63.2139**, and if you desaturate by 10%, it is **50.8503, 77.9837, 72.0646**.

Distribution



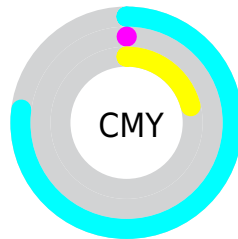
- Red (23%)
- Green (100%)
- Blue (79%)



- Red (23%)
- Yellow (68%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (77%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1062, 76.6669, 67.5211 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 48.1062, 76.6669, 67.5211 by changing the saturation by 10% instead.


 48.1062, 76.6669,
67.5211


 48.1062, 76.6669,
67.5211


369.7885,
483.6276, 470.3493


 34.1226, 56.9795,
49.0440


 86.5712, 128.6692,
117.3145


 23.1511, 40.9888,
34.2885


 111.7834,
161.7529, 149.4679

 14.8265, 28.3103,
22.8362


 141.4691,
200.0708, 187.0170

 8.7832, 18.5597,
14.2684

 175.9937,
244.0073, 230.3806

 4.6560, 11.3526,
8.1667

215.7226,
293.9469, 279.9771

 2.0795, 6.3045,
4.1125

261.0212,

 0.6781, 3.0311,

350.2738, 336.2250

1.6873

312.2547,
413.3726, 399.5429

■ 0.0000, 1.1480,
0.3520

■ 0.0000, 0.0186,
0.0000

■ 48.1062, 76.6669,
67.5211

■ 48.1062, 76.6669,
67.5211

■ 46.1386, 75.7458,
63.2139

■ 50.8503, 77.9837,
72.0646


■ 44.8246, 75.1574,
59.1307


■ 54.4639, 79.7445,
76.8475


■ 44.4901, 75.0120,
57.8919

■ 59.0289, 81.9912,
81.8773

■ 64.6169, 84.7608,
87.1598

 71.2924, 88.0864,
92.7006

 79.1146, 91.9986,
98.5046

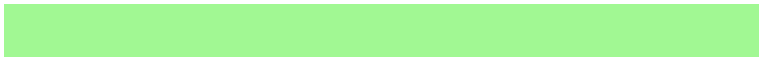
 88.1384, 96.5255,
104.5769

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.



53.4244, 76.6669, 39.5067



48.1062, 76.6669, 67.5211



48.7162, 76.6669, 111.8557

Triad

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



48.1062, 76.6669, 67.5211



82.2014, 76.6669, 189.3914



93.9229, 76.6669, 35.8209

Complementary

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



48.1062, 76.6669, 67.5211



45.7853, 25.5811, 18.1488

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.



103.9206, 76.6669, 60.3570



48.1062, 76.6669, 67.5211



96.5391, 76.6669, 151.8455

Square

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



48.1062, 76.6669, 67.5211



67.0614, 76.6669, 193.3806



104.9389, 76.6669, 101.7677



79.0038, 76.6669, 25.8828

Rectangle

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



48.1062, 76.6669, 67.5211



52.4150, 76.6669, 145.5793



104.9389, 76.6669, 101.7677



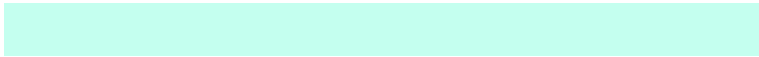
98.0541, 76.6669, 42.1535

Sweetspot

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



48.1069, 76.6672, 67.5224



74.1727, 89.5254, 94.9093



43.5593, 75.4495, 16.4061



15.2979, 18.8733, 19.8718



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

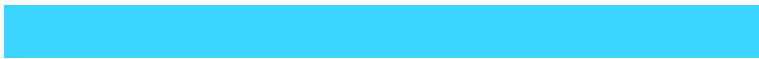
The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.1069, 76.6672, 67.5224



45.3910, 75.4067, 61.0875



43.5315, 55.5049, 103.0269



18.3288, 20.3910, 22.0344



23.3134, 39.2219, 30.5993



2.3162, 3.8374, 3.2227

Inverse Universe

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



45.7853, 25.5811, 18.1488



43.1383, 22.4310, 10.6575



46.7293, 30.9752, 7.6546



18.2150, 18.0693, 19.7492



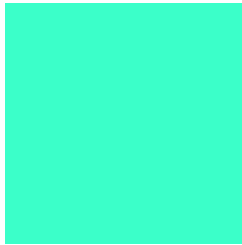
22.1843, 11.3630, 4.3551



2.2038, 1.1239, 0.6545

Previews

White Background



This preview shows how the XYZ color 48.1062, 76.6669, 67.5211 looks on a white background.

Color Contrast Check

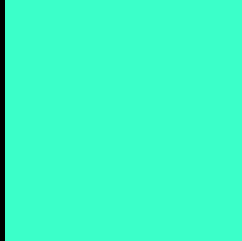
Large Text (above 18pt) WCAG AA × Fail

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 48.1062, 76.6669, 67.5211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

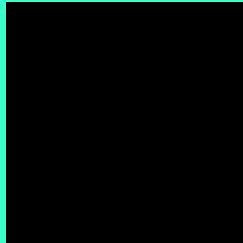
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

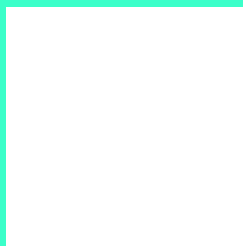
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1062, 76.6669, 67.5211

Background



This preview shows how black text looks on a background with the XYZ color 48.1062, 76.6669, 67.5211.

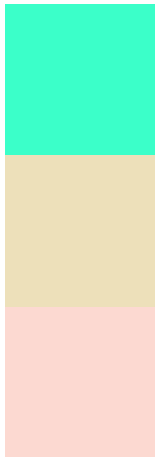


This preview shows how white text looks on a background with the XYZ color 48.1062, 76.6669,

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

48.1062, 76.6669, 67.5211

Protanopia

70.4436, 74.8610, 57.1912

Deuteranopia

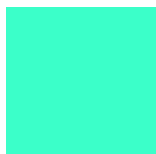
76.4664, 74.9246, 70.7533



Tritanopia

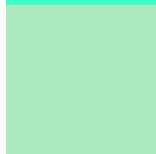
61.4228, 75.8361, 106.0082

Trichromacy



Original Color

48.1062, 76.6669, 67.5211



Protanomaly

56.1256, 71.9489, 60.2196



Deuteranomaly

59.0079, 71.5531, 69.0936



Tritanomaly

54.8503, 75.0160, 90.1859

Monochromacy



Original Color

48.1062, 76.6669, 67.5211



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.9395, 57.7390, 59.8151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1062, 76.6669, 67.5211 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(59, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(59, 255, 201)  
}
```

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(59, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 48.1062, 76.6669, 67.5211 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(59, 255, 201) }
```


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

```
.border{ border-color:rgb(59, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(59, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1062, 76.6669, 67.5211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 255, 201) }
```

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

```
.background{ background-color: rgb(59, 255,  
201) }
```

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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