

# Converting Colors

XYZ(47.9919, 62.6202,  
104.1652)

Have a look what the booklet for  
XYZ(47.9919, 62.6202, 104.1652)  
contains.

<b>XYZ(48.0358, 62.6482, 104.1683)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(48.0358, 62.6482,  
104.1683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DE1FF
RGB	77, 225, 255
RGB Percent	30%, 88%, 100%
CMY	0.6980, 0.1176, 0.0000
CMYK	0.70, 0.12, 0.00, 0.00
HSL	190°, 100%, 65%
HSV	190°, 70%, 100%
XYZ	48.0358, 62.6482, 104.1683
YIQ	184.1680, -97.8380, -22.0460

# Conversions

## Conversions Part 2

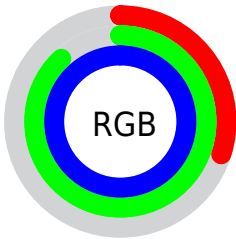
Format	Color
<a href="#">RYB</a>	<a href="#">77, 158, 255</a>
Decimal	<a href="#">5104127</a>
CIELab	<a href="#">83.26, -29.56, -25.94</a>
CIELCh	<a href="#">83, 39.327, 221.265</a>
Yxy	<a href="#">62.6482, 0.2236, 0.2916</a>
Android (android.graphics.Color)	<a href="#">4283294207 (0xFF4DE1FF)</a>
YUV	<a href="#">184.1680, 34.9202, -93.9863</a>
Hunter-Lab	<a href="#">79.1506, -30.1835, -22.6248</a>

# Details

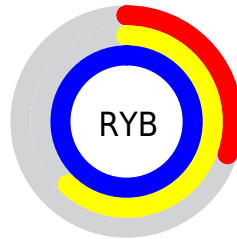
The XYZ color **48.0358, 62.6482, 104.1683** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.8386, 32.3132, 10.7391**, and the grayscale version is **45.5072, 47.8771, 52.1382**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **24.3810, 32.4532, 58.4052** is the 20% darker color. If you saturate the color by 10%, you get **45.2199, 59.4947, 103.7080**, and if you desaturate by 10%, it is **51.6903, 66.2800, 104.6767**.

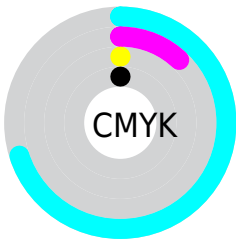
# Distribution



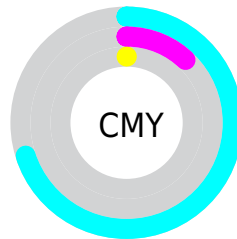
- Red (30%)
- Green (88%)
- Blue (100%)



- Red (30%)
- Yellow (62%)
- Blue (100%)



- Cyan (70%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (12%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0358, 62.6482, 104.1683 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 48.0358, 62.6482, 104.1683 by changing the saturation by 10% instead.





 48.0358, 62.6482,  
104.1683


 48.0358, 62.6482,  
104.1683


369.5142,  
434.2916, 594.8360


 34.0666, 45.5567,  
79.1500


 86.4671, 108.6618,  
168.9753


 23.1079, 31.8961,  
58.4971


 111.6599,  
138.3527, 209.6011

 14.7943, 21.2822,  
41.7911


 141.3246,  
173.0121, 256.2665

 8.7605, 13.3304,  
28.6134

 175.8266,  
213.0245, 309.3900

 4.6412, 7.6565,  
18.5455

215.5312,  
258.7743, 369.3902

 2.0709, 3.8759,  
11.1688

260.8037,

 0.6733, 1.6044,

310.6458, 436.6855

6.0649

312.0096,  
369.0234, 511.6946

■ 0.0000, 0.3606,  
2.8152

■ 0.0000, 0.0000,  
1.0010

■ 48.0358, 62.6482,  
104.1683

■ 48.0358, 62.6482,  
104.1683

■ 45.2199, 59.4947,  
103.7080

■ 51.6903, 66.2800,  
104.6767

■ 43.1368, 56.7608,  
103.2901

■ 56.2625, 70.4273,  
105.2362

■ 41.6275, 54.3655,  
102.9073

■ 61.8279, 75.1307,  
105.8507

■ 41.5995, 54.3190,  
102.8998

■ 68.4529, 80.4246,  
106.5234

■ 76.1977, 86.3405,  
107.2571

■ 85.1181, 92.9074,  
108.0545

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.



44.8494, 62.6482, 77.8188



48.0358, 62.6482, 104.1683



54.4254, 62.6482, 123.1436

# Triad

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



48.0358, 62.6482, 104.1683



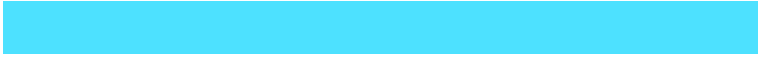
76.4886, 62.6482, 84.4597



56.3947, 62.6482, 31.7061

# Complementary

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



48.0358, 62.6482, 104.1683



47.8386, 32.3132, 10.7391

# 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.



64.9764, 62.6482, 32.6670



48.0358, 62.6482, 104.1683



77.1447, 62.6482, 59.4326

# Square

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



48.0358, 62.6482, 104.1683



71.0452, 62.6482, 110.0189



72.7603, 62.6482, 41.6603



49.3585, 62.6482, 38.6193

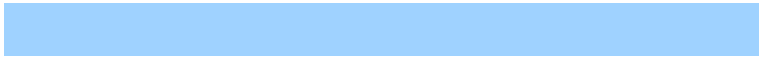


# Rectangle

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



48.0358, 62.6482, 104.1683



59.9086, 62.6482, 126.8574



72.7603, 62.6482, 41.6603



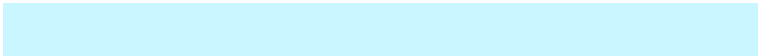
59.1833, 62.6482, 31.1723

# Sweetspot

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



48.0376, 62.6504, 104.1686



75.2067, 85.5963, 107.1657



41.4584, 74.1530, 25.9488



15.6232, 17.9624, 22.8936



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.



48.0376, 62.6504, 104.1686



44.2620, 58.2983, 103.5276



29.9638, 26.5029, 98.1440



18.2790, 19.9296, 23.1333



21.8328, 28.5751, 53.7994



2.1917, 2.9141, 5.2602



# Inverse Universe

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



57.4857, 32.0058, 74.3843



54.7991, 27.9413, 69.4540



62.2457, 61.1274, 15.5415



18.6535, 18.2447, 22.0583



27.8084, 13.6126, 33.9709

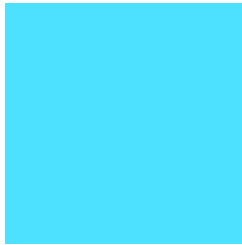


2.7409, 1.3387, 3.4828



# Previews

## White Background



This preview shows how the XYZ color 48.0358, 62.6482, 104.1683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

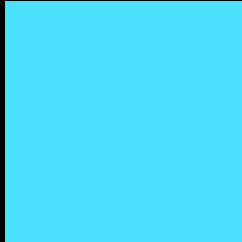
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.0358, 62.6482, 104.1683 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 48.0358, 62.6482, 104.1683**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.0358, 62.6482, 104.1683.



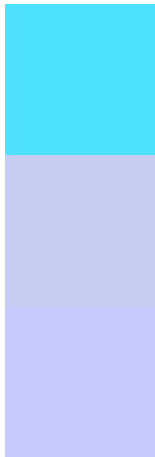
This preview shows how white text looks on a background with the XYZ color 48.0358, 62.6482,



# 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

48.0358, 62.6482, 104.1683

### Protanopia

61.0232, 61.6787, 91.9080

### Deuteranopia

62.4592, 61.4668, 103.1801



## Tritanopia

46.5490, 62.8703, 96.0680

# Trichromacy



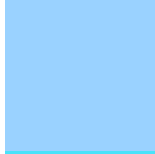
## Original Color

48.0358, 62.6482, 104.1683



## Protanomaly

53.6956, 60.7094, 96.0768



## Deuteranomaly

54.4230, 60.1832, 103.3559



## Tritanomaly

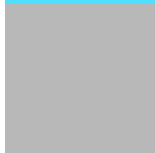
47.0429, 62.6487, 99.2355

# Monochromacy



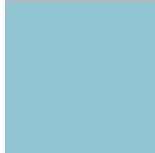
## Original Color

48.0358, 62.6482, 104.1683



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

43.7333, 51.5197, 68.6121

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.0358, 62.6482, 104.1683 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(77, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 225, 255)  
}
```

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(77, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 225, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 48.0358, 62.6482, 104.1683 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(77, 225, 255) }
```



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

```
.border{ border-color:rgb(77, 225, 255) }
```

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

Here you see how a box with a 4 pixel rgb(77, 225, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 225,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.0358, 62.6482, 104.1683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 225, 255) }
```

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

```
.background{ background-color: rgb(77, 225,  
255) }
```

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