

# Converting Colors

XYZ(48.5947, 67.2447,  
105.0261)

Have a look what the booklet for  
XYZ(48.5947, 67.2447, 105.0261)  
contains.

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# Color

**XYZ(48.4859, 67.0117,  
104.9868)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24EBFF
RGB	36, 235, 255
RGB Percent	14%, 92%, 100%
CMY	0.8587, 0.0784, 0.0000
CMYK	0.86, 0.08, 0.00, 0.00
HSL	185°, 100%, 57%
HSV	185°, 86%, 100%
XYZ	48.4859, 67.0117, 104.9868
YIQ	177.7790, -125.0240, -35.9680

# Conversions

## Conversions Part 2

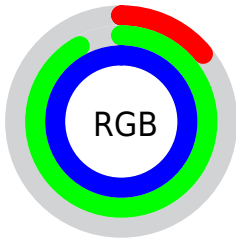
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	36, 140, 255
Decimal	2419711
CIE Lab	85.51, -38.03, -22.57
CIE LCh	86, 44.223, 210.686
Yxy	67.0117, 0.2199, 0.3039
Android (android.graphics.Color)	4280609791 (0xFF24EBFF)
YUV	177.7790, 38.0700, -124.3402
Hunter-Lab	81.8607, -37.5310, -18.7373

# Details

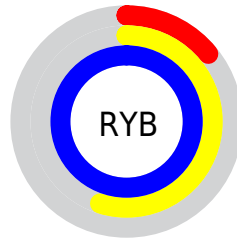
The XYZ color **48.4859, 67.0117, 104.9868** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.9743, 24.2183, 4.0810**, and the grayscale version is **42.0579, 44.2482, 48.1863**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **26.3131, 36.3174, 59.0492** is the 20% darker color. If you saturate the color by 10%, you get **47.2287, 65.3816, 104.7384**, and if you desaturate by 10%, it is **50.3875, 68.9897, 105.2684**.

# Distribution



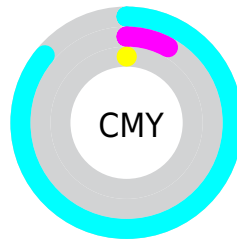
- Red (14%)
- Green (92%)
- Blue (100%)



- Red (14%)
- Yellow (55%)
- Blue (100%)



- Cyan (86%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (86%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4859, 67.0117, 104.9868 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 48.4859, 67.0117, 104.9868 by changing the saturation by 10% instead.



48.4859, 67.0117,  
104.9868

48.4859, 67.0117,  
104.9868

371.2655,  
449.9864, 597.4479

34.4247, 49.0941,  
79.8317

87.1327, 114.9372,  
170.1049

23.3845, 34.6942,  
59.0545

112.4491,  
145.7139, 210.9050

14.9999, 23.4274,  
42.2367

142.2479,  
181.5457, 257.7571

8.9056, 14.9094,  
28.9597

176.8944,  
222.8172, 311.0799

4.7363, 8.7558,  
18.8050

216.7541,  
269.9126, 371.2918

2.1265, 4.5823,  
11.3541

262.1923,

0.7036, 2.0043,

323.2163, 438.8114

6.1884

313.5743,  
383.1128, 514.0573

■ 0.0000, 0.6100,  
2.8893

■ 0.0000, 0.0000,  
1.0384

■ 48.4859, 67.0117,  
104.9868

■ 48.4859, 67.0117,  
104.9868

■ 47.2287, 65.3816,  
104.7384

■ 50.3875, 68.9897,  
105.2684

■ 46.8259, 64.7718,  
104.6420

■ 53.0434, 71.3681,  
105.5875

■ 56.5485, 74.1974,  
105.9489

■ 60.9824, 77.5186,  
106.3562

■ 66.4155, 81.3681,  
106.8129

■ 72.9114, 85.7786,  
107.3218

■ 80.5283, 90.7803,  
107.8858

■ 89.3202, 96.4010,  
108.5073

■ 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.



46.2673, 67.0117, 73.6282



48.4859, 67.0117, 104.9868



54.6973, 67.0117, 132.5977

# Triad

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



48.4859, 67.0117, 104.9868



82.0599, 67.0117, 103.5324



63.4618, 67.0117, 30.4552

# Complementary

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



48.4859, 67.0117, 104.9868



42.9743, 24.2183, 4.0810

# 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.



73.6237, 67.0117, 34.5823



48.4859, 67.0117, 104.9868



85.0213, 67.0117, 72.3045

# Square

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



48.4859, 67.0117, 104.9868



74.0655, 67.0117, 131.6145



81.7865, 67.0117, 48.2214



54.3364, 67.0117, 34.9862

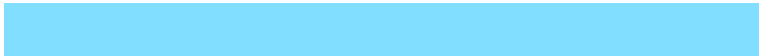


# Rectangle

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



48.4859, 67.0117, 104.9868



60.6177, 67.0117, 142.2859



81.7865, 67.0117, 48.2214



66.8698, 67.0117, 30.8621

# Sweetspot

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



48.4878, 67.0140, 104.9872



72.8207, 85.7181, 107.3149



37.1609, 72.1645, 15.4947



15.0795, 18.0067, 22.9308



0.0000, 0.0000, 0.0000

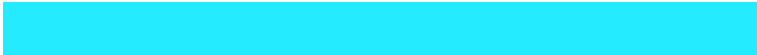


20.3446, 21.4041, 23.3091



# Same Dimension

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



48.4878, 67.0140, 104.9872



46.8259, 64.7718, 104.6420



26.4024, 22.8433, 97.6254



18.4047, 20.1810, 23.1752



24.5260, 33.9616, 54.6972



2.4278, 3.3862, 5.3389



# Inverse Universe

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



56.8676, 28.5218, 81.1077



55.7647, 27.0699, 78.4162



54.7917, 47.8533, 8.0201



18.7169, 18.2701, 22.3924



29.1678, 14.1564, 41.1296

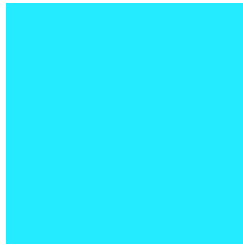


2.8600, 1.3864, 4.1103



# Previews

## White Background



This preview shows how the XYZ color 48.4859, 67.0117, 104.9868 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

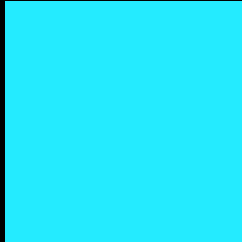
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.4859, 67.0117, 104.9868 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

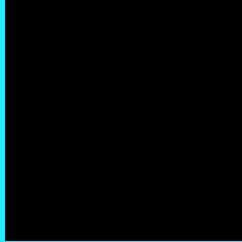
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 48.4859, 67.0117, 104.9868

## Background



This preview shows how black text looks on a background with the XYZ color 48.4859, 67.0117, 104.9868.



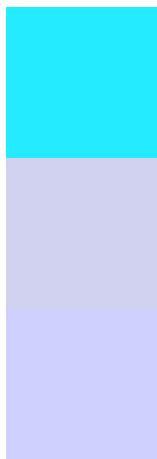
This preview shows how white text looks on a background with the XYZ color 48.4859, 67.0117,



# 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

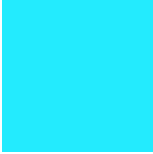
48.4859, 67.0117, 104.9868

### Protanopia

64.6390, 65.7351, 90.9427

### Deuteranopia

66.6183, 65.7416, 103.7860



## **Tritanopia**

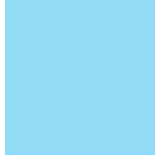
48.2909, 66.9297, 104.1395

# Trichromacy



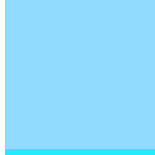
## Original Color

48.4859, 67.0117, 104.9868



## Protanomaly

53.4900, 63.2754, 95.7803



## Deuteranomaly

54.7985, 63.3825, 103.9536



## Tritanomaly

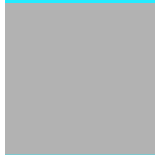
48.2909, 66.9297, 104.1395

# Monochromacy



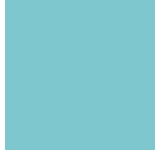
## Original Color

48.4859, 67.0117, 104.9868



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

40.1682, 49.7387, 65.8760

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.4859, 67.0117, 104.9868 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(36, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(36, 235, 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(36, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 235, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 48.4859, 67.0117, 104.9868 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(36, 235, 255) }
```



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

```
.border{ border-color:rgb(36, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(36, 235,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.4859, 67.0117, 104.9868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 235, 255) }
```

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

```
.background{ background-color: rgb(36, 235,  
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](#).

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