

# Converting Colors

XYZ(49.4713, 68.0360,  
105.1326)

Have a look what the booklet for  
XYZ(49.4713, 68.0360, 105.1326)  
contains.

<b>XYZ(49.4107, 67.9147, 105.1124)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(49.4107, 67.9147,  
105.1124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33ECFF
RGB	51, 236, 255
RGB Percent	20%, 93%, 100%
CMY	0.7999, 0.0745, 0.0000
CMYK	0.80, 0.07, 0.00, 0.00
HSL	186°, 100%, 60%
HSV	186°, 80%, 100%
XYZ	49.4107, 67.9147, 105.1124
YIQ	182.8510, -116.3590, -33.3110

# Conversions

## Conversions Part 2

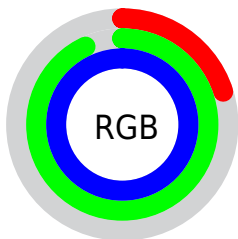
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 148, 255
Decimal	3403007
CIELab	85.96, -37.46, -21.86
CIELCh	86, 43.377, 210.269
Yxy	67.9147, 0.2221, 0.3053
Android (android.graphics.Color)	4281593087 (0xFF33ECFF)
YUV	182.8510, 35.5695, -115.6333
Hunter-Lab	82.4104, -37.1951, -17.9357

# Details

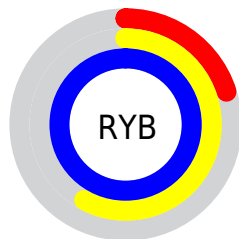
The XYZ color **49.4107, 67.9147, 105.1124** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.0291, 25.8815, 5.8092**, and the grayscale version is **44.7889, 47.1214, 51.3152**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **26.5143, 36.7197, 59.1162** is the 20% darker color. If you saturate the color by 10%, you get **47.7810, 66.0676, 104.8417**, and if you desaturate by 10%, it is **51.7566, 70.1473, 105.4197**.

# Distribution



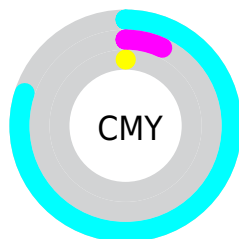
- Red (20%)
- Green (93%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4107, 67.9147, 105.1124 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 49.4107, 67.9147, 105.1124 by changing the saturation by 10% instead.



49.4107, 67.9147,  
105.1124

49.4107, 67.9147,  
105.1124

374.8471,  
453.1937, 597.8482

35.1613, 49.8283,  
79.9363

88.4982, 116.2301,  
170.2781

23.9542, 35.2770,  
59.1401

114.0669,  
147.2279, 211.1049

15.4242, 23.8763,  
42.3052

144.1395,  
183.2984, 257.9857

9.2059, 15.2419,  
29.0130

179.0813,  
224.8259, 311.3390

4.9339, 8.9893,  
18.8450

219.2576,  
272.1947, 371.5833

2.2429, 4.7342,  
11.3826

265.0337,

0.7652, 2.0922,

325.7894, 439.1373

6.2074

316.7751,  
385.9943, 514.4194

■ 0.0000, 0.6602,  
2.9008

■ 0.0000, 0.0000,  
1.0442

■ 49.4107, 67.9147,  
105.1124

■ 49.4107, 67.9147,  
105.1124

■ 47.7810, 66.0676,  
104.8417

■ 51.7566, 70.1473,  
105.4197

■ 46.6972, 64.5140,  
104.5990

■ 54.9138, 72.8103,  
105.7673

■ 46.6965, 64.5129,  
104.5988

■ 58.9687, 75.9496,  
106.1595

■ 63.9951, 79.6034,  
106.5998

■ 70.0591, 83.8059,  
107.0914

■ 77.2211, 88.5881,  
107.6370

■ 85.5366, 93.9788,  
108.2392

■ 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.



47.2624, 67.9147, 74.2045



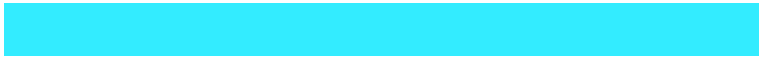
49.4107, 67.9147, 105.1124



55.5285, 67.9147, 132.3917

# Triad

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



49.4107, 67.9147, 105.1124



82.6109, 67.9147, 104.5514



64.4613, 67.9147, 31.6052

# Complementary

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



49.4107, 67.9147, 105.1124



44.0291, 25.8815, 5.8092

# 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.



74.5012, 67.9147, 35.8722



49.4107, 67.9147, 105.1124



85.6120, 67.9147, 73.6912

# Square

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



49.4107, 67.9147, 105.1124



74.6721, 67.9147, 132.0136



82.5053, 67.9147, 49.6458

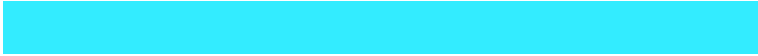


55.3882, 67.9147, 36.0309

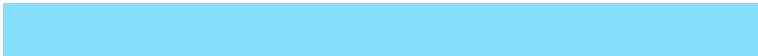


# Rectangle

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



49.4107, 67.9147, 105.1124



61.3738, 67.9147, 142.0820



82.5053, 67.9147, 49.6458



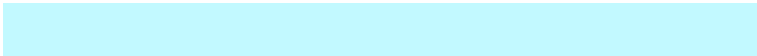
67.8357, 67.9147, 32.0538

# Sweetspot

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



49.4126, 67.9171, 105.1127



74.2155, 86.6001, 107.4117



38.1701, 72.6419, 17.4811



15.3459, 18.1749, 22.9492



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.



49.4126, 67.9171, 105.1127



47.0911, 65.1127, 104.6938



28.2219, 25.5357, 98.0492



18.4017, 20.1751, 23.1743



24.4594, 33.8284, 54.6750



2.4220, 3.3746, 5.3370



# Inverse Universe

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



57.5655, 29.6856, 82.0552



55.9449, 27.3191, 78.8188



56.2142, 50.2516, 9.8709



18.7154, 18.2695, 22.3845



29.1342, 14.1430, 40.9525

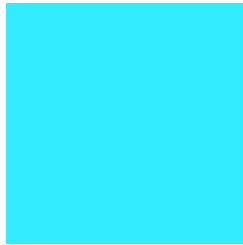


2.8571, 1.3852, 4.0949



# Previews

## White Background



This preview shows how the XYZ color 49.4107, 67.9147, 105.1124 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

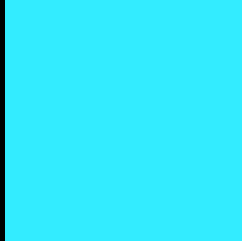
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.4107, 67.9147, 105.1124 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 49.4107, 67.9147, 105.1124

## Background



This preview shows how black text looks on a background with the XYZ color 49.4107, 67.9147, 105.1124.



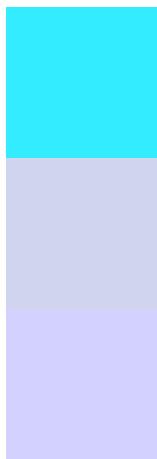
This preview shows how white text looks on a background with the XYZ color 49.4107, 67.9147,



# 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

49.4107, 67.9147, 105.1124

### Protanopia

65.4180, 66.8743, 91.1215

### Deuteranopia

67.4288, 66.5226, 103.8940



## Tritanopia

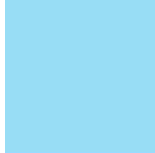
49.5137, 67.9678, 105.1172

# Trichromacy



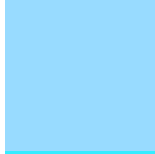
## Original Color

49.4107, 67.9147, 105.1124



## Protanomaly

55.2868, 64.9809, 96.0148



## Deuteranomaly

56.3304, 64.5584, 104.0998



## Tritanomaly

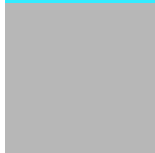
49.4616, 67.9410, 105.1148

# Monochromacy



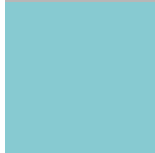
## Original Color

49.4107, 67.9147, 105.1124



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

42.6208, 51.9954, 68.1114

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.4107, 67.9147, 105.1124 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(51, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 236, 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(51, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 236, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 49.4107, 67.9147, 105.1124 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(51, 236, 255) }
```



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

```
.border{ border-color:rgb(51, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 236,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.4107, 67.9147, 105.1124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 236, 255) }
```

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

```
.background{ background-color: rgb(51, 236,  
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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