

# Converting Colors

XYZ(45.9864, 56.9152, 94.1510)

Have a look what the booklet for  
XYZ(45.9864, 56.9152, 94.1510)  
contains.

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# Color

**XYZ(45.9360, 56.7444,  
94.1196)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BD4F4
RGB	107, 212, 244
RGB Percent	42%, 83%, 96%
CMY	0.5804, 0.1686, 0.0431
CMYK	0.56, 0.13, 0.00, 0.04
HSL	194°, 86%, 69%
HSV	194°, 56%, 96%
XYZ	45.9360, 56.7444, 94.1196
YIQ	184.2530, -72.8520, -12.3080

# Conversions

## Conversions Part 2

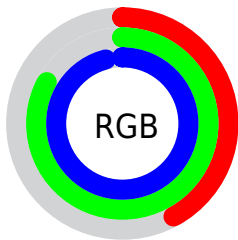
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">107, 166, 244</a>
Decimal	<a href="#">7066868</a>
CIELab	<a href="#">80.04, -21.57, -24.94</a>
CIElCh	<a href="#">80, 32.970, 229.150</a>
Yxy	<a href="#">56.7444, 0.2334, 0.2883</a>
Android (android.graphics.Color)	<a href="#">4285256948 (0xFF6BD4F4)</a>
YUV	<a href="#">184.2530, 29.4553, -67.7509</a>
Hunter-Lab	<a href="#">75.3289, -22.9752, -21.3496</a>

# Details

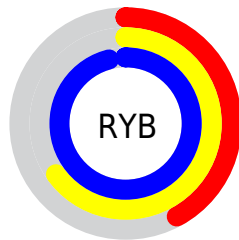
The XYZ color **45.9360, 56.7444, 94.1196** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.1962, 38.7616, 18.8006**, and the grayscale version is **45.5727, 47.9460, 52.2132**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **21.8272, 28.1021, 51.8508** is the 20% darker color. If you saturate the color by 10%, you get **42.0066, 52.6420, 93.5359**, and if you desaturate by 10%, it is **50.7468, 61.3782, 94.7615**.

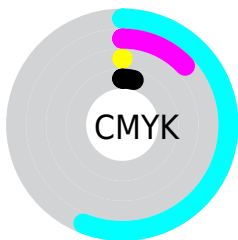
# Distribution



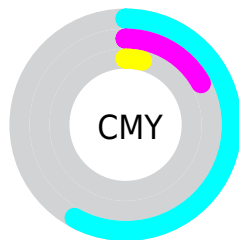
- Red (42%)
- Green (83%)
- Blue (96%)



- Red (42%)
- Yellow (65%)
- Blue (96%)



- Cyan (56%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)




- Cyan (58%)
- Magenta (17%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9360, 56.7444, 94.1196 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 45.9360, 56.7444, 94.1196 by changing the saturation by 10% instead.





 45.9360, 56.7444,  
94.1196


 45.9360, 56.7444,  
94.1196


361.2715,  
412.4909, 562.2548


 32.3997, 40.8001,  
70.8096


 83.3517, 100.0921,  
155.0328

 21.8240, 28.1629,  
51.7060


 107.9618,  
128.2643, 193.4731

 13.8435, 18.4485,  
36.3901


 136.9938,  
161.2813, 237.7940

 8.0929, 11.2725,  
24.4436

170.8133,  
199.5273, 288.4139

 4.2068, 6.2504,  
15.4478

209.7854,  
243.3869, 345.7513

 1.8198, 2.9979,  
8.9841

254.2756,

 0.5295, 1.1307,

293.2445, 410.2250

4.6342

304.6492,  
349.4843, 482.2533

■ 0.0000, 0.0039,  
1.9793

■ 0.0000, 0.0000,  
0.5425

■ 45.9360, 56.7444,  
94.1196

■ 45.9360, 56.7444,  
94.1196

■ 42.0066, 52.6420,  
93.5359

■ 50.7468, 61.3782,  
94.7615

■ 38.8809, 49.0268,  
93.0028

■ 56.4974, 66.5706,  
95.4607

■ 36.4766, 45.8565,  
92.5176

■ 63.2472, 72.3543,  
96.2213

■ 34.6891, 43.0765,  
92.0753

■ 71.0490, 78.7572,  
97.0460

■ 34.1017, 42.0764,  
91.9132

■ 79.9520, 85.8054,  
97.9371

■ 90.0020, 93.5232,  
98.8971

■ 92.3475, 97.3482,  
99.5118

■ 93.3293, 99.3117,  
99.8391

# Harmonies

## Analogous

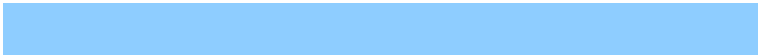
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6527, 56.7444, 74.7006



45.9360, 56.7444, 94.1196



51.5441, 56.7444, 105.5845

# Triad

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



45.9360, 56.7444, 94.1196



67.6067, 56.7444, 68.9963



49.8158, 56.7444, 33.0662

# Complementary

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



45.9360, 56.7444, 94.1196



49.1962, 38.7616, 18.8006

# 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.



56.3963, 56.7444, 32.1632



45.9360, 56.7444, 94.1196



67.0470, 56.7444, 50.4512

# Square

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



45.9360, 56.7444, 94.1196



64.2813, 56.7444, 89.2068



62.8100, 56.7444, 37.8606



44.7611, 56.7444, 40.6516



# Rectangle

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



45.9360, 56.7444, 94.1196



56.0092, 56.7444, 105.8566



62.8100, 56.7444, 37.8606



51.9104, 56.7444, 32.0403

# Sweetspot

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



45.9378, 56.7465, 94.1210



77.7151, 86.3941, 107.1874



43.0734, 69.6916, 35.5970



16.2466, 18.1775, 22.9023



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

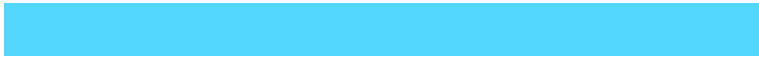


# Same Dimension

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



45.9378, 56.7465, 94.1210



46.0440, 57.7606, 103.3299



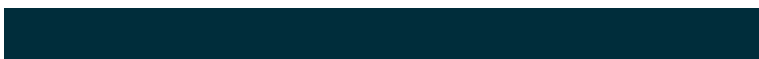
32.2970, 29.4650, 89.5740



16.6494, 18.0632, 21.1516



18.6520, 23.0977, 50.0133



1.7169, 2.1852, 4.4215



# Inverse Universe

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



54.4511, 34.5037, 66.0795



56.6998, 32.5351, 67.6450



62.3896, 65.1484, 23.1984



17.0384, 16.6982, 19.9487



25.2192, 12.4311, 26.9262

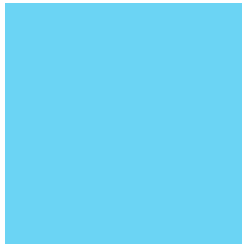


2.2557, 1.1082, 2.5727



# Previews

## White Background



This preview shows how the XYZ color 45.9360, 56.7444, 94.1196 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

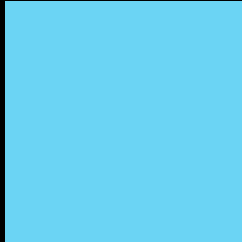
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.9360, 56.7444, 94.1196 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

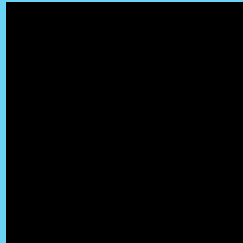
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.9360, 56.7444, 94.1196**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9360, 56.7444, 94.1196.



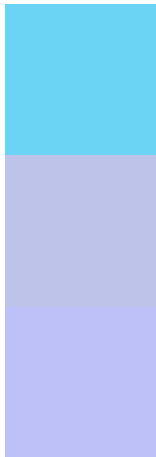
This preview shows how white text looks on a background with the XYZ color 45.9360, 56.7444,



# 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

45.9360, 56.7444, 94.1196

### Protanopia

55.6831, 56.3102, 85.0249

### Deuteranopia

57.2484, 55.8644, 96.5725



## Tritanopia

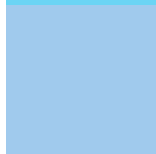
43.9499, 56.6874, 84.2267

# Trichromacy



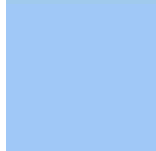
## Original Color

45.9360, 56.7444, 94.1196



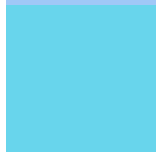
## Protanomaly

50.9038, 55.8291, 88.2139



## Deuteranomaly

51.9400, 55.4975, 95.9703



## Tritanomaly

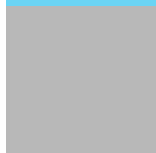
44.6435, 56.5877, 87.9264

# Monochromacy



## Original Color

45.9360, 56.7444, 94.1196



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

44.1427, 50.1077, 65.7377

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9360, 56.7444, 94.1196 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(107, 212, 244)` looks like.

```
.text, #text, p{  
    color:rgb(107, 212, 244)  
}
```

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(107, 212, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 212, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9360, 56.7444, 94.1196 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".

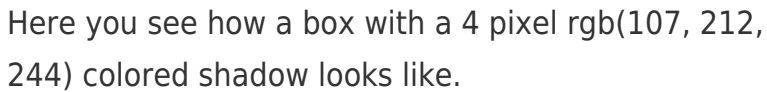
```
.border, #border, table{ border:4px solid rgb(107, 212, 244) }
```



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

```
.border{ border-color:rgb(107, 212, 244) }
```

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



Here you see how a box with a 4 pixel rgb(107, 212, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 212, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 212, 244);  
box-shadow:4px 4px 4px 4px rgb(107, 212,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9360, 56.7444, 94.1196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 212, 244) }
```

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

```
.background{ background-color: rgb(107,  
212, 244) }
```

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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