

Converting Colors

XYZ(47.8385, 59.2636,
114.0775)

Have a look what the booklet for
XYZ(47.8385, 59.2636, 114.0775)
contains.

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Color

**XYZ(45.7645, 58.3416,
103.4567)**

Conversions

Conversions Part 1

Format	Color
Hex	4BD9FF
RGB	75, 217, 255
RGB Percent	29%, 85%, 100%
CMY	0.7058, 0.1490, 0.0000
CMYK	0.71, 0.15, 0.00, 0.00
HSL	193°, 100%, 65%
HSV	193°, 71%, 100%
XYZ	45.7645, 58.3416, 103.4567
YIQ	178.8740, -96.8300, -18.2860

Conversions

Conversions Part 2

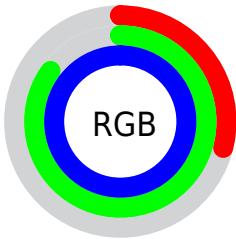
Format	Color
RYB	75, 154, 255
Decimal	4971007
CIELab	80.93, -25.90, -29.50
CIELCh	81, 39.260, 228.718
Yxy	58.3416, 0.2205, 0.2811
Android (android.graphics.Color)	4283161087 (0xFF4BD9FF)
YUV	178.8740, 37.5301, -91.0975
Hunter-Lab	76.3817, -26.7187, -26.8394

Details

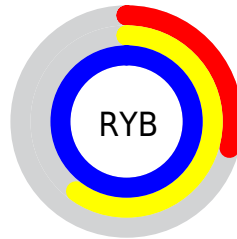
The XYZ color **45.7645, 58.3416, 103.4567** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.4165, 33.5803, 10.5885**, and the grayscale version is **42.6266, 44.8465, 48.8378**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **23.1134, 29.9179, 57.9826** is the 20% darker color. If you saturate the color by 10%, you get **42.7900, 54.7829, 102.9266**, and if you desaturate by 10%, it is **49.5863, 62.4066, 104.0399**.

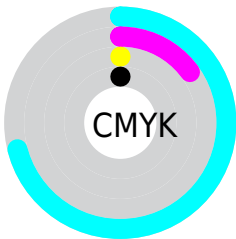
Distribution



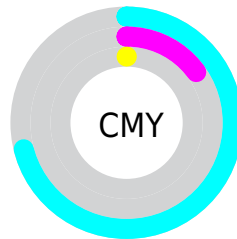
- Red (29%)
- Green (85%)
- Blue (100%)



- Red (29%)
- Yellow (60%)
- Blue (100%)



- Cyan (71%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7645, 58.3416, 103.4567 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 45.7645, 58.3416, 103.4567 by changing the saturation by 10% instead.

45.7645, 58.3416,
103.4567

45.7645, 58.3416,
103.4567

360.5929,
418.4576, 592.5603

32.2639, 42.0833,
78.5576

83.0965, 102.4201,
167.9926

21.7196, 29.1666,
58.0130

107.6585,
131.0092, 208.4664

13.7665, 19.2069,
41.4043

136.6384,
164.4773, 254.9690

8.0390, 11.8198,
28.3131

170.4015,
203.2089, 307.9187

4.1720, 6.6211,
18.3207

209.3131,
247.5883, 367.7341

1.7999, 3.2263,
11.0086

253.7386,

0.5176, 1.2510,

298.0000, 434.8338

5.9584

304.0434,
354.8283, 509.6364

■ 0.0000, 0.1028,
2.7514

■ 0.0000, 0.0000,
0.9692

■ 45.7645, 58.3416,
103.4567

■ 45.7645, 58.3416,
103.4567

■ 42.7900, 54.7829,
102.9266

■ 49.5863, 62.4066,
104.0399

■ 40.5553, 51.6710,
102.4437

■ 54.3360, 67.0166,
104.6794

■ 38.9757, 49.0715,
102.0252

■ 60.0899, 72.2128,
105.3791

■ 66.9150, 78.0302,
106.1423

■ 74.8722, 84.5009,
106.9719

■ 84.0179, 91.6544,
107.8706

94.4044, 99.5185,
108.8411

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.



41.9250, 58.3416, 79.0020



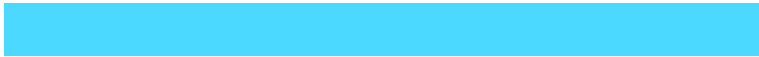
45.7645, 58.3416, 103.4567



52.4496, 58.3416, 118.3209

Triad

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



45.7645, 58.3416, 103.4567



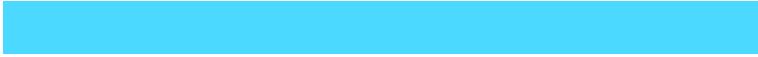
72.2385, 58.3416, 72.6912



50.5850, 58.3416, 29.8567

Complementary

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



45.7645, 58.3416, 103.4567



48.4165, 33.5803, 10.5885

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.



58.5667, 58.3416, 28.9573



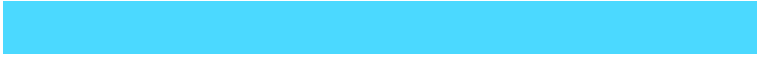
45.7645, 58.3416, 103.4567



71.6143, 58.3416, 50.2126

Square

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



45.7645, 58.3416, 103.4567



68.0484, 58.3416, 97.8763



66.4182, 58.3416, 35.4704



44.5146, 58.3416, 38.3282

Rectangle

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



45.7645, 58.3416, 103.4567



57.8554, 58.3416, 118.8482



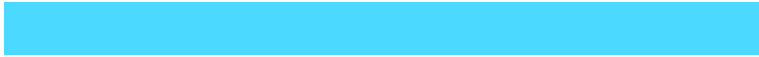
66.4182, 58.3416, 35.4704



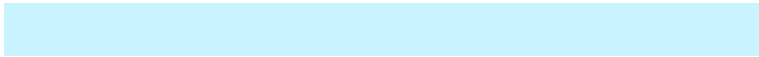
53.1160, 58.3416, 28.7519

Sweetspot

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



45.7662, 58.3436, 103.4571



74.5176, 84.2180, 106.9360



41.5323, 74.1642, 27.1678



15.4575, 17.6310, 22.8384



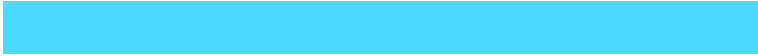
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.7662, 58.3436, 103.4571



41.7186, 53.3568, 102.7078



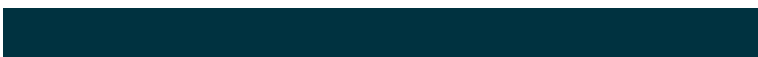
28.8039, 24.4190, 97.8029



18.2102, 19.7920, 23.1104



20.4781, 25.8658, 53.3479



2.0714, 2.6736, 5.2201

Inverse Universe

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



56.2817, 31.3037, 68.7236



53.4798, 27.2777, 62.9255



63.3979, 63.5431, 15.5823



18.6188, 18.2308, 21.8755



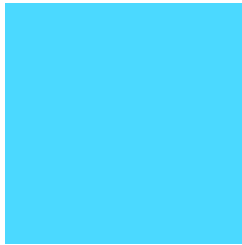
27.1246, 13.3391, 30.3703



2.6802, 1.3144, 3.1632

Previews

White Background



This preview shows how the XYZ color 45.7645, 58.3416, 103.4567 looks on a white background.

Color Contrast Check

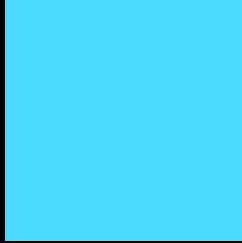
Large Text (above 18pt) WCAG AA × Fail

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 45.7645, 58.3416, 103.4567 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 45.7645, 58.3416, 103.4567

Background



This preview shows how black text looks on a background with the XYZ color 45.7645, 58.3416, 103.4567.

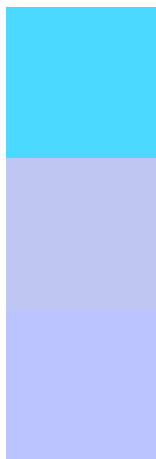


This preview shows how white text looks on a background with the XYZ color 45.7645, 58.3416,

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

45.7645, 58.3416, 103.4567

Protanopia

57.3065, 57.6862, 91.3333

Deuteranopia

58.5290, 57.3912, 102.6005



Tritanopia

43.0757, 58.4162, 89.8940

Trichromacy



Original Color

45.7645, 58.3416, 103.4567

Protanomaly

50.6786, 56.6124, 95.4450

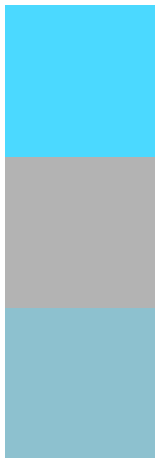
Deuteranomaly

51.6755, 56.6088, 102.8107

Tritanomaly

43.9754, 58.3880, 94.5402

Monochromacy



Original Color

45.7645, 58.3416, 103.4567

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.3170, 48.3076, 66.1782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7645, 58.3416, 103.4567 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(75, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 217, 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(75, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.7645, 58.3416, 103.4567 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(75, 217, 255) }
```


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

```
.border{ border-color:rgb(75, 217, 255) }
```

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

Here you see how a box with a 4 pixel rgb(75, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7645, 58.3416, 103.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 217, 255) }
```

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

```
.background{ background-color: rgb(75, 217,  
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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