

Converting Colors

XYZ(45.9599, 59.9586,
103.7586)

Have a look what the booklet for
XYZ(45.9599, 59.9586, 103.7586)
contains.

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Color

**XYZ(45.9564, 59.9897,
103.7648)**

Conversions

Conversions Part 1

Format	Color
Hex	3FDDFF
RGB	63, 221, 255
RGB Percent	25%, 87%, 100%
CMY	0.7529, 0.1333, 0.0000
CMYK	0.75, 0.13, 0.00, 0.00
HSL	191°, 100%, 62%
HSV	191°, 75%, 100%
XYZ	45.9564, 59.9897, 103.7648
YIQ	177.6340, -105.0820, -22.9220

Conversions

Conversions Part 2

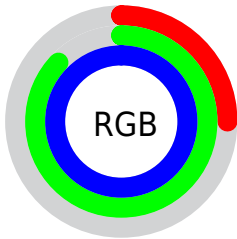
Format	Color
R _Y B	63, 150, 255
Decimal	4185599
CIE Lab	81.83, -29.25, -28.14
CIE LCh	82, 40.590, 223.888
Yxy	59.9897, 0.2191, 0.2861
Android (android.graphics.Color)	4282375679 (0xFF3FDDFF)
YUV	177.6340, 38.1414, -100.5340
Hunter-Lab	77.4530, -29.6306, -25.2145

Details

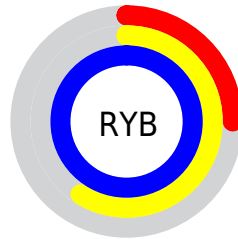
The XYZ color **45.9564, 59.9897, 103.7648** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.4134, 30.1707, 8.0821**, and the grayscale version is **41.9715, 44.1573, 48.0873**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **23.8293, 31.3497, 58.2212** is the 20% darker color. If you saturate the color by 10%, you get **43.5125, 56.9848, 103.3136**, and if you desaturate by 10%, it is **49.1891, 63.4512, 104.2625**.

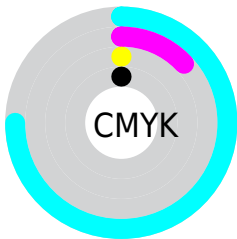
Distribution



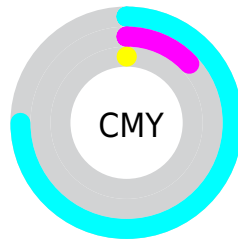
- Red (25%)
- Green (87%)
- Blue (100%)



- Red (25%)
- Yellow (59%)
- Blue (100%)



- Cyan (75%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (75%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9564, 59.9897, 103.7648 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 45.9564, 59.9897, 103.7648 by changing the saturation by 10% instead.


 45.9564, 59.9897,
103.7648


 45.9564, 59.9897,
103.7648


361.3522,
424.5598, 593.5462

 32.4159, 43.4103,
78.8140


 83.3820, 104.8147,
168.4182


 21.8364, 30.2072,
58.2225


 107.9978,
133.8292, 208.9579

 13.8527, 19.9959,
41.5717


 137.0361,
167.7574, 255.5309

 8.0993, 12.3921,
28.4430

 170.8622,
206.9839, 308.5560

 4.2109, 7.0113,
18.4179

209.8416,
251.8930, 368.4515

 1.8221, 3.4692,
11.0779

254.3394,

 0.5309, 1.3813,

302.8691, 435.6360

6.0044

304.7212,
360.2965, 510.5280

■ 0.0000, 0.2029,
2.7789

■ 0.0000, 0.0000,
0.9829

■ 45.9564, 59.9897,
103.7648

■ 45.9564, 59.9897,
103.7648

■ 43.5125, 56.9848,
103.3136

■ 49.1891, 63.4512,
104.2625

■ 41.7383, 54.3712,
102.9026

■ 53.2977, 67.4111,
104.8103

■ 41.0581, 53.2363,
102.7194

■ 58.3633, 71.9126,
105.4122

■ 64.4559, 76.9922,
106.0715

71.6389, 82.6831,
106.7914

79.9705, 89.0154,
107.5745

89.5047, 96.0175,
108.4236

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.



42.4819, 59.9897, 77.3031



45.9564, 59.9897, 103.7648



52.5701, 59.9897, 121.9007

Triad

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



45.9564, 59.9897, 103.7648



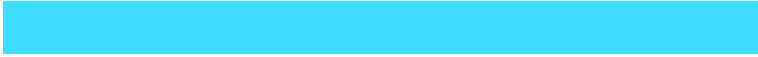
74.3444, 59.9897, 79.2979



53.1570, 59.9897, 29.4036

Complementary

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



45.9564, 59.9897, 103.7648



46.4134, 30.1707, 8.0821

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.



61.7108, 59.9897, 29.6827



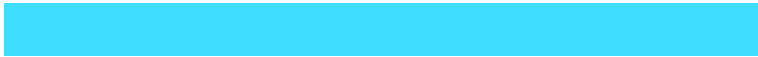
45.9564, 59.9897, 103.7648



74.5419, 59.9897, 54.6415

Square

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



45.9564, 59.9897, 103.7648



69.2113, 59.9897, 105.5366



69.7267, 59.9897, 37.7790



46.3489, 59.9897, 36.8878

Rectangle

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



45.9564, 59.9897, 103.7648



58.1422, 59.9897, 124.5628



69.7267, 59.9897, 37.7790



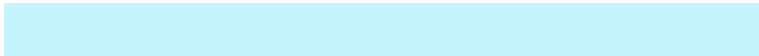
55.9092, 59.9897, 28.6640

Sweetspot

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



45.9581, 59.9918, 103.7651



73.4419, 84.0744, 106.9649



39.8770, 73.4037, 22.8961



15.1162, 17.5285, 22.8366



0.0000, 0.0000, 0.0000



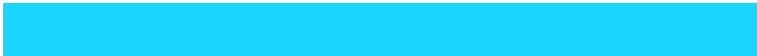
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9581, 59.9918, 103.7651



42.6011, 55.7085, 103.1153



27.6916, 23.4586, 97.6762



18.2652, 19.9019, 23.1287



21.5534, 28.0164, 53.7063



2.1670, 2.8647, 5.2520

Inverse Universe

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



56.0699, 30.0373, 71.2513



53.7820, 26.8503, 66.2075



60.7695, 58.8829, 12.8675



18.6465, 18.2419, 22.0215



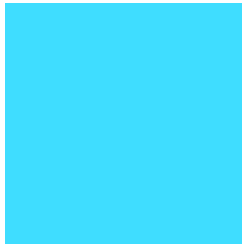
27.6674, 13.5562, 33.2285



2.7284, 1.3337, 3.4172

Previews

White Background



This preview shows how the XYZ color 45.9564, 59.9897, 103.7648 looks on a white background.

Color Contrast Check

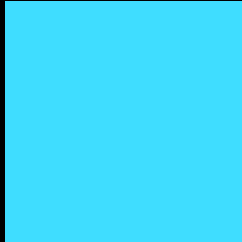
Large Text (above 18pt) WCAG AA × Fail

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 45.9564, 59.9897, 103.7648 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 45.9564, 59.9897, 103.7648

Background



This preview shows how black text looks on a background with the XYZ color 45.9564, 59.9897, 103.7648.

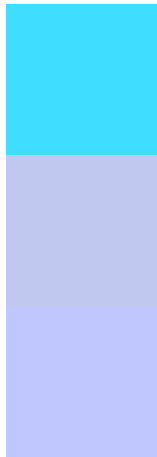


This preview shows how white text looks on a background with the XYZ color 45.9564, 59.9897,

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

45.9564, 59.9897, 103.7648

Protanopia

58.3748, 58.9373, 90.7374

Deuteranopia

60.2117, 59.2733, 102.8751



Tritanopia

43.6810, 59.8563, 92.4703

Trichromacy



Original Color

45.9564, 59.9897, 103.7648



Protanomaly

50.8914, 57.8153, 94.8634



Deuteranomaly

52.0399, 57.8654, 103.0341



Tritanomaly

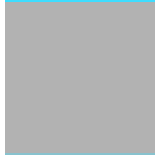
44.3867, 59.7371, 96.3798

Monochromacy



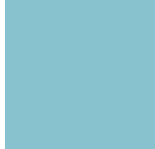
Original Color

45.9564, 59.9897, 103.7648



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.5857, 48.2740, 65.5712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9564, 59.9897, 103.7648 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(63, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 221, 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(63, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.9564, 59.9897, 103.7648 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(63, 221, 255) }
```


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

```
.border{ border-color:rgb(63, 221, 255) }
```

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

Here you see how a box with a 4 pixel rgb(63, 221, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9564, 59.9897, 103.7648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 221, 255) }
```

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

```
.background{ background-color: rgb(63, 221,  
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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