

Converting Colors

XYZ(45.3807, 59.4029, 99.5180)

Have a look what the booklet for
XYZ(45.3807, 59.4029, 99.5180)
contains.

XYZ(45.3743, 59.3906, 99.5145)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.3743, 59.3906,
99.5145)**

Conversions

Conversions Part 1

Format	Color
Hex	46DCFA
RGB	70, 220, 250
RGB Percent	27%, 86%, 98%
CMY	0.7254, 0.1372, 0.0196
CMYK	0.72, 0.12, 0.00, 0.02
HSL	190°, 95%, 63%
HSV	190°, 72%, 98%
XYZ	45.3743, 59.3906, 99.5145
YIQ	178.5700, -99.0300, -22.4700

Conversions

Conversions Part 2

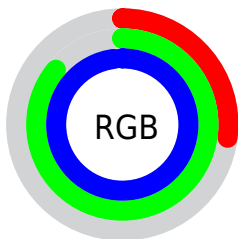
Format	Color
RYB	70, 152, 250
Decimal	4644090
CIELab	81.51, -29.51, -25.98
CIELCh	82, 39.314, 221.359
Yxy	59.3906, 0.2221, 0.2907
Android (android.graphics.Color)	4282834170 (0xFF46DCFA)
YUV	178.5700, 35.2150, -95.2159
Hunter-Lab	77.0653, -29.7675, -22.6155

Details

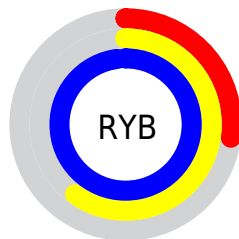
The XYZ color **45.3743, 59.3906, 99.5145** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.0889, 29.8830, 9.1880**, and the grayscale version is **42.4782, 44.6904, 48.6679**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **23.0808, 30.7605, 55.1730** is the 20% darker color. If you saturate the color by 10%, you get **42.8522, 56.4883, 99.0884**, and if you desaturate by 10%, it is **48.6775, 62.7384, 99.9877**.

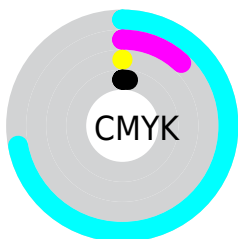
Distribution



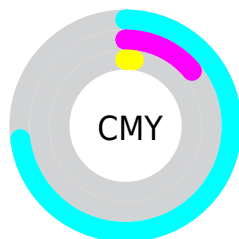
- Red (27%)
- Green (86%)
- Blue (98%)



- Red (27%)
- Yellow (60%)
- Blue (98%)



- Cyan (72%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (73%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3743, 59.3906, 99.5145 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 45.3743, 59.3906, 99.5145 by changing the saturation by 10% instead.

45.3743, 59.3906,
99.5145

45.3743, 59.3906,
99.5145

359.0456,
422.3479, 579.8684

31.9549, 42.9276,
75.2805

82.5154, 103.9451,
162.5359

21.4824, 29.8283,
55.3396

106.9678,
132.8055, 202.1604

13.5916, 19.7083,
39.2733

135.8286,
166.5671, 247.7521

7.9169, 12.1832,
26.6629

169.4631,
205.6144, 299.7296

4.0932, 6.8686,
17.0900

208.2367,
250.3317, 358.5115

1.7550, 3.3800,
10.1361

252.5148,

0.4903, 1.3332,

301.1035, 424.5162

5.3825

302.6626,
358.3141, 498.1623

■ 0.0000, 0.1667,
2.4107

■ 0.0000, 0.0000,
0.7923

■ 45.3743, 59.3906,
99.5145

■ 45.3743, 59.3906,
99.5145

■ 42.8522, 56.4883,
99.0884

■ 48.6775, 62.7384,
99.9877

■ 41.0052, 53.9730,
98.7002

■ 52.8391, 66.5683,
100.5076

■ 39.8930, 52.1771,
98.4122

■ 57.9333, 70.9200,
101.0791

■ 64.0246, 75.8271,
101.7052

71.1716, 81.3200,
102.3888

79.4282, 87.4267,
103.1323

88.8447, 94.1736,
103.9383

93.7272, 98.6256,
104.5403

94.2555, 99.6822,
104.7164

Harmonies

Analogous

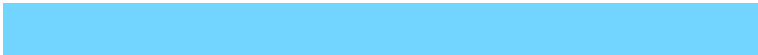
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.2991, 59.3906, 74.0194



45.3743, 59.3906, 99.5145



51.5355, 59.3906, 117.8823

Triad

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



45.3743, 59.3906, 99.5145



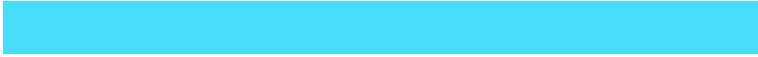
72.8285, 59.3906, 80.2783



53.3862, 59.3906, 29.6061

Complementary

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



45.3743, 59.3906, 99.5145



45.0889, 29.8830, 9.1880

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.



61.6653, 59.3906, 30.5008



45.3743, 59.3906, 99.5145



73.4474, 59.3906, 56.1362

Square

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



45.3743, 59.3906, 99.5145



67.5765, 59.3906, 105.0449



69.1933, 59.3906, 39.0825



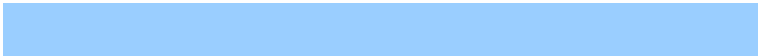
46.6154, 59.3906, 36.2417

Rectangle

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



45.3743, 59.3906, 99.5145



56.8255, 59.3906, 121.4502



69.1933, 59.3906, 39.0825



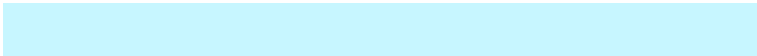
56.0741, 59.3906, 29.0888

Sweetspot

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



45.3762, 59.3928, 99.5159



74.4261, 85.0472, 107.1008



39.0135, 70.5949, 23.6293



15.4720, 17.8565, 22.8811



0.0000, 0.0000, 0.0000



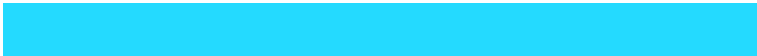
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3762, 59.3928, 99.5159



43.9553, 57.9661, 103.4796



27.7660, 24.1724, 93.6459



17.5051, 19.0871, 22.1469



21.2521, 27.8597, 52.2309



2.0315, 2.7067, 4.8586

Inverse Universe

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



54.5344, 29.8736, 70.6042



54.5757, 27.5892, 69.0875



58.9453, 57.5957, 13.8068



17.8615, 17.4720, 21.1265



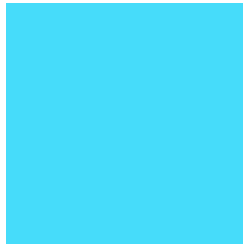
27.0191, 13.2234, 33.1385



2.5343, 1.2375, 3.2372

Previews

White Background



This preview shows how the XYZ color 45.3743, 59.3906, 99.5145 looks on a white background.

Color Contrast Check

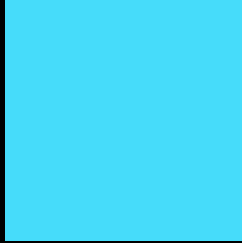
Large Text (above 18pt) WCAG AA × Fail

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 45.3743, 59.3906, 99.5145 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 45.3743, 59.3906, 99.5145

Background



This preview shows how black text looks on a background with the XYZ color 45.3743, 59.3906, 99.5145.

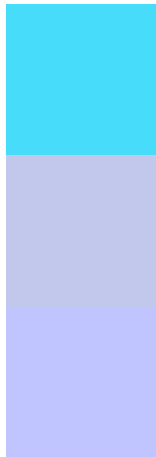


This preview shows how white text looks on a background with the XYZ color 45.3743, 59.3906,

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

45.3743, 59.3906, 99.5145

Protanopia

57.8119, 58.3723, 87.5768

Deuteranopia

59.7545, 58.3590, 102.7227



Tritanopia

43.8994, 59.5906, 91.6265

Trichromacy



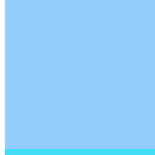
Original Color

45.3743, 59.3906, 99.5145



Protanomaly

50.5844, 57.3661, 91.6258



Deuteranomaly

51.7737, 57.0504, 101.2116



Tritanomaly

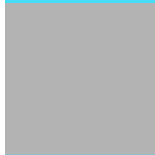
44.4324, 59.4028, 94.7120

Monochromacy



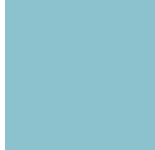
Original Color

45.3743, 59.3906, 99.5145



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.9587, 48.4803, 64.9565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3743, 59.3906, 99.5145 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(70, 220, 250)` looks like.

```
.text, #text, p{  
    color:rgb(70, 220, 250)  
}
```

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(70, 220, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 220, 250) }
```

Border

The CSS property to change the border of an element to XYZ 45.3743, 59.3906, 99.5145 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(70, 220, 250) }
```


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

```
.border{ border-color:rgb(70, 220, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 220, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 220, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 220, 250);  
box-shadow:4px 4px 4px 4px rgb(70, 220,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3743, 59.3906, 99.5145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 220, 250) }
```

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

```
.background{ background-color: rgb(70, 220,  
250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor