

Converting Colors

XYZ(46.9019, 57.9344, 80.0245)

Have a look what the booklet for
XYZ(46.9019, 57.9344, 80.0245)
contains.

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Color

**XYZ(46.9006, 57.9303,
79.9439)**

Conversions

Conversions Part 1

Format	Color
Hex	84D5E1
RGB	132, 213, 225
RGB Percent	52%, 84%, 88%
CMY	0.4823, 0.1647, 0.1176
CMYK	0.41, 0.05, 0.00, 0.12
HSL	188°, 61%, 70%
HSV	188°, 41%, 88%
XYZ	46.9006, 57.9303, 79.9439
YIQ	190.1490, -52.1280, -13.4400

Conversions

Conversions Part 2

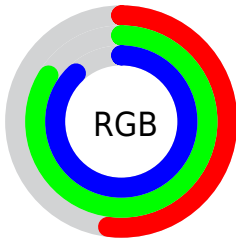
Format	Color
R _Y B	132, 175, 225
Decimal	8705505
CIE _{Lab}	80.70, -21.70, -13.70
CIE _{LCh}	81, 25.667, 212.272
Yxy	57.9303, 0.2538, 0.3135
Android (android.graphics.Color)	4286895585 (0xFF84D5E1)
YUV	190.1490, 17.1815, -50.9967
Hunter-Lab	76.1120, -23.2033, -8.9967

Details

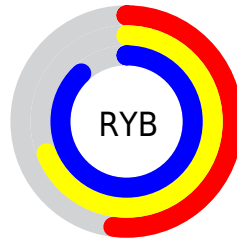
The XYZ color **46.9006, 57.9303, 79.9439** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.1905, 37.6209, 26.7111**, and the grayscale version is **48.9565, 51.5061, 56.0901**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **22.3842, 28.8519, 42.4194** is the 20% darker color. If you saturate the color by 10%, you get **43.0312, 54.8626, 79.5567**, and if you desaturate by 10%, it is **51.5453, 61.4198, 80.3736**.

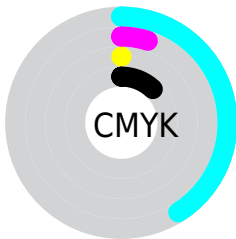
Distribution



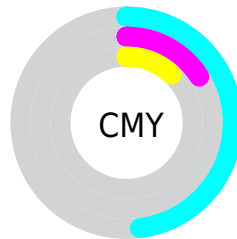
- Red (52%)
- Green (84%)
- Blue (88%)



- Red (52%)
- Yellow (69%)
- Blue (88%)



- Cyan (41%)
- Magenta (5%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (16%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9006, 57.9303, 79.9439 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 46.9006, 57.9303, 79.9439 by changing the saturation by 10% instead.

■ 46.9006, 57.9303,
79.9439

■ 46.9006, 57.9303,
79.9439

365.0732,
416.9262, 514.4455

■ 33.1647, 41.7526,
59.1463

■ 84.7849, 101.8214,
135.0975

■ 22.4125, 28.9076,
42.3101

■ 109.6640,
130.3035, 170.2907

■ 14.2786, 19.0110,
29.0168

■ 138.9882,
163.6560, 211.1194

■ 8.3977, 11.6782,
18.8478

173.1228,
202.2631, 258.0022

■ 4.4044, 6.5250,
11.3847

212.4333,
246.5093, 311.3577

■ 1.9334, 3.1668,
6.2088

257.2849,

■ 0.5961, 1.2194,

296.7789, 371.6044

2.9016

308.0431,
353.4564, 439.1608

■ 0.0000, 0.0775,
1.0446

■ 0.0000, 0.0000,
0.0000

■ 46.9006, 57.9303,
79.9439

■ 46.9006, 57.9303,
79.9439

■ 43.0312, 54.8626,
79.5567

■ 51.5453, 61.4198,
80.3736

■ 39.8825, 52.1845,
79.2057

■ 57.0051, 65.3475,
80.8440

■ 37.4012, 49.8696,
78.8897

■ 63.3230, 69.7373,
81.3583

■ 35.5241, 47.8852,
78.6056

■ 70.5377, 74.6091,
81.9184

■ 34.1755, 46.1924,
78.3499

■ 78.6853, 79.9816,
82.5260

■ 33.3248, 44.9043,
78.1462

■ 83.2447, 83.5242,
82.9695

■ 84.0613, 85.1573,
83.2417

■ 84.8913, 86.8174,
83.5183

■ 85.7350, 88.5047,
83.7996

Harmonies

Analogous

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



45.5098, 57.9303, 64.2381



46.9006, 57.9303, 79.9439



50.4626, 57.9303, 92.5354

Triad

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



46.9006, 57.9303, 79.9439



64.5643, 57.9303, 77.6243



54.6588, 57.9303, 38.2161

Complementary

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



46.9006, 57.9303, 79.9439



45.1905, 37.6209, 26.7111

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.



59.9306, 57.9303, 40.6447



46.9006, 57.9303, 79.9439



65.8629, 57.9303, 61.9285

Square

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



46.9006, 57.9303, 79.9439



60.6726, 57.9303, 91.0524



64.1170, 57.9303, 48.7656



49.8066, 57.9303, 41.5122

Rectangle

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



46.9006, 57.9303, 79.9439



53.7045, 57.9303, 96.5701



64.1170, 57.9303, 48.7656



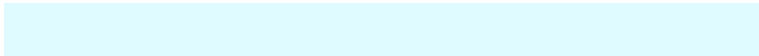
56.4402, 57.9303, 38.3894

Sweetspot

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



46.9024, 57.9326, 79.9453



83.4281, 92.1583, 107.9989



41.3888, 60.7358, 35.4704



17.6090, 19.5552, 23.0964



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.



46.9024, 57.9326, 79.9453



57.6123, 73.2410, 105.7082



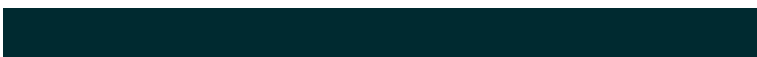
37.0459, 38.2195, 76.6598



13.9578, 15.2548, 17.5965



19.2638, 25.9971, 45.0510



1.3779, 1.8872, 3.1369

Inverse Universe

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



51.3143, 37.3157, 67.4514



64.4078, 42.7737, 86.1755



53.4904, 54.2209, 29.4777



14.2149, 13.9036, 16.9020



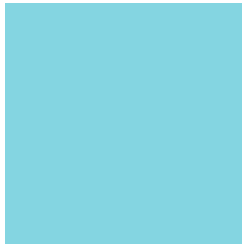
23.6637, 11.5325, 31.2243



1.6618, 0.8080, 2.2776

Previews

White Background



This preview shows how the XYZ color 46.9006, 57.9303, 79.9439 looks on a white background.

Color Contrast Check

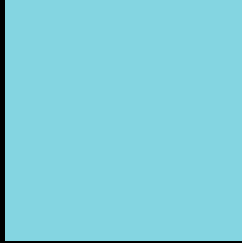
Large Text (above 18pt) WCAG AA × Fail

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 46.9006, 57.9303, 79.9439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

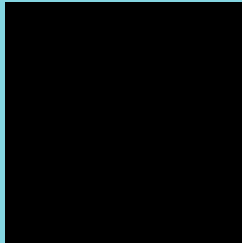
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9006, 57.9303, 79.9439

Background



This preview shows how black text looks on a background with the XYZ color 46.9006, 57.9303, 79.9439.

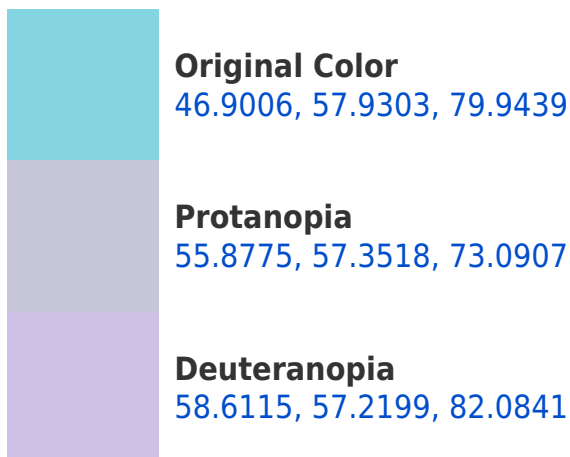


This preview shows how white text looks on a background with the XYZ color 46.9006, 57.9303,

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





Tritanopia

47.3592, 57.7307, 82.7758

Trichromacy



Original Color

46.9006, 57.9303, 79.9439

Protanomaly

51.5977, 56.8250, 75.2667

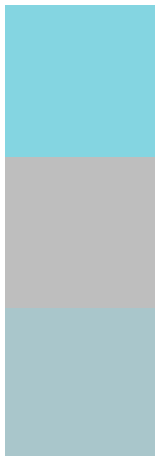
Deuteranomaly

53.2503, 56.8397, 81.5634

Tritanomaly

47.2199, 57.6749, 82.0424

Monochromacy



Original Color

46.9006, 57.9303, 79.9439

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.3358, 53.1350, 64.2611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9006, 57.9303, 79.9439 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(132, 213, 225)` looks like.

```
.text, #text, p{  
    color:rgb(132, 213, 225)  
}
```

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(132, 213, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 213, 225) }
```

Border

The CSS property to change the border of an element to XYZ 46.9006, 57.9303, 79.9439 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(132, 213, 225) }
```


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

```
.border{ border-color:rgb(132, 213, 225) }
```

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

Here you see how a box with a 4 pixel rgb(132, 213, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 213, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 213, 225);  
box-shadow:4px 4px 4px 4px rgb(132, 213,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9006, 57.9303, 79.9439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 213, 225) }
```

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

```
.background{ background-color: rgb(132,  
213, 225) }
```

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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