

Converting Colors

CIELCh(46, 6.295, 250.122)

Have a look what the booklet for
CIELCh(46, 6.295, 250.122) contains.

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Color

CIELCh(46, 6.516, 254.588)

Conversions

Conversions Part 1

Format	Color
Hex	646E77
RGB	100, 110, 119
RGB Percent	39%, 43%, 47%
CMY	0.6069, 0.5676, 0.5323
CMYK	0.16, 0.08, 0.00, 0.53
HSL	208°, 9%, 43%
HSV	208°, 16%, 47%
XYZ	14.2321, 15.2687, 19.7314
YIQ	108.0360, -8.8490, 0.6790

Conversions

Conversions Part 2

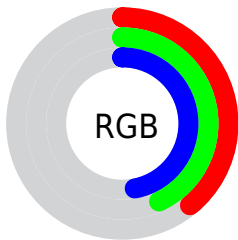
Format	Color
R_{YB}	100, 107, 119
Decimal	6581879
CIE Lab	46.00, -1.73, -6.28
CIE LCh	46, 6.516, 254.588
Yxy	15.2687, 0.2891, 0.3101
Android (android.graphics.Color)	4284771959 (0xFF646E77)
YUV	108.0360, 5.4053, -7.0476
Hunter-Lab	39.0751, -3.3674, -2.5866

Details

The CIELCh color **46, 6.516, 254.588** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 6.817, 70.671**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 6.334, 251.315**, and **26, 6.556, 252.314** is the 20% darker color. If you saturate the color by 10%, you get **43, 10.518, 256.143**, and if you desaturate by 10%, it is **49, 2.446, 253.311**.

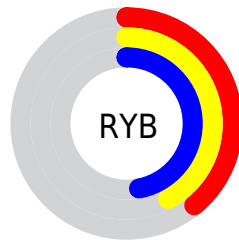
Distribution



Red (39%)

Green (43%)

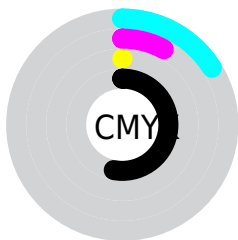
Blue (47%)



Red (39%)

Yellow (42%)

Blue (47%)

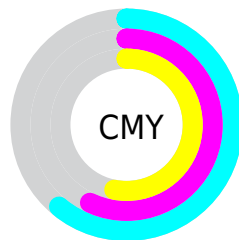


Cyan (16%)

Magenta (8%)

Yellow (0%)

Black (53%)



Cyan (61%)

Magenta (57%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 6.516, 254.588 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 CIELCh color 46, 6.516, 254.588 by changing the saturation by 10% instead.

■ 46, 6.516, 254.588

■ 46, 6.516, 254.588

■ 100, 6.516,
254.588

■ 36, 6.516, 254.588

■ 66, 6.516, 254.588

■ 26, 6.516, 254.588

■ 76, 6.516, 254.588

■ 16, 6.516, 254.588

■ 86, 6.516, 254.588

■ 6, 6.516, 254.588

■ 96, 6.516, 254.588

■ 0, 6.516, 254.588

■ 46, 6.516, 254.588

■ 46, 6.516, 254.588

■ 43, 10.518,
256.143

■ 49, 2.446, 253.311

■ 41, 14.435,

■ 51, 1.673, 71.909

258.011

54, 5.824, 71.053

38, 18.253,
260.233

56, 9.993, 70.237

36, 21.963,
262.863

59, 14.166, 69.523

34, 25.571,
265.949

62, 18.333, 68.896

31, 29.103,
269.511

64, 22.486, 68.344

67, 26.617, 67.855

29, 32.606,
273.523

70, 30.722, 67.418

27, 36.160,
277.795

26, 37.659,
279.396

Harmonies

Complementary

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



46, 6.516, 254.588



47, 6.817, 70.671

Rectangle

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



46, 6.516, 254.588



46, 6.516, 304.588



46, 6.516, 74.588



46, 6.516, 124.588

Sweetspot

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



46, 6.515, 254.579



63, 2.562, 253.229



48, 9.745, 160.651



33, 1.760, 253.286



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 6.515, 254.579



58, 9.628, 255.100



43, 11.054, 290.505



23, 2.281, 253.662



27, 38.464, 279.536



55, 68.661, 282.297

Inverse Universe

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



45, 9.861, 343.503



56, 14.656, 343.818



49, 10.702, 107.310



23, 3.411, 342.907



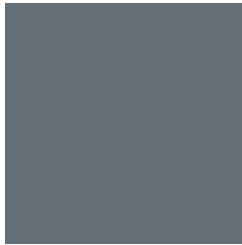
25, 49.705, 357.996



54, 83.733, 0.347

Previews

White Background



This preview shows how the CIELCh color 46, 6.516, 254.588 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 46, 6.516, 254.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

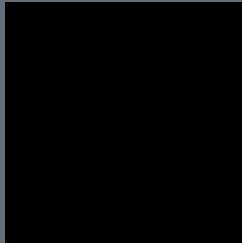
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

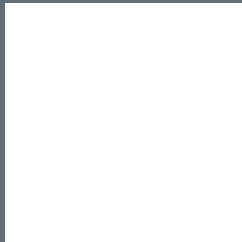
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 6.516, 254.588

Background



This preview shows how black text looks on a background with the CIELCh color 46, 6.516, 254.588.



This preview shows how white text looks on a background with the CIELCh color 46, 6.516, 254.588.

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

46, 6.516, 254.588

Protanopia

46, 5.950, 291.006

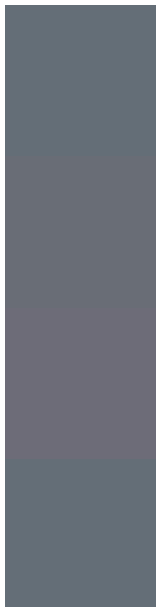
Deuteranopia

46, 8.956, 311.988



Tritanopia
46, 6.516, 254.588

Trichromacy



Original Color
46, 6.516, 254.588

Protanomaly
46, 5.544, 274.510

Deuteranomaly
46, 7.155, 294.304

Tritanomaly
46, 6.516, 254.588

Monochromacy



Original Color
46, 6.516, 254.588

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 2.378, 248.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 6.516, 254.588 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(100, 110, 119)` looks like.

```
.text, #text, p{  
    color:rgb(100, 110, 119)  
}
```

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(100, 110, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 110, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 6.516, 254.588 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(100, 110, 119) }
```

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

```
.border{ border-color:rgb(100, 110, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 110, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 110, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 110, 119);  
box-shadow:4px 4px 4px 4px rgb(100, 110,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 6.516, 254.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 110, 119) }
```

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

```
.background{ background-color: rgb(100,  
110, 119) }
```

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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