

Converting Colors

CIELCh(46, 55.823, 289.544)

Have a look what the booklet for
CIELCh(46, 55.823, 289.544)
contains.

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Color

CIELCh(46, 55.718, 289.478)

Conversions

Conversions Part 1

Format	Color
Hex	4868C6
RGB	72, 104, 198
RGB Percent	28%, 41%, 78%
CMY	0.7158, 0.5938, 0.2254
CMYK	0.63, 0.48, 0.00, 0.23
HSL	225°, 52%, 53%
HSV	225°, 63%, 77%
XYZ	17.7545, 15.2687, 55.1500
YIQ	105.1480, -49.2460, 22.4500

Conversions

Conversions Part 2

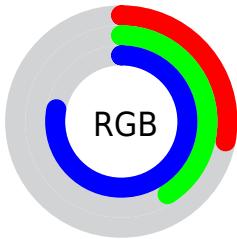
Format	Color
R _Y B	72, 98, 198
Decimal	4745414
CIE Lab	46.00, 18.58, -52.53
CIE LCh	46, 55.718, 289.478
Yxy	15.2687, 0.2014, 0.1732
Android (android.graphics.Color)	4282935494 (0xFF4868C6)
YUV	105.1480, 45.7760, -29.0708
Hunter-Lab	39.0751, 12.7230, -56.3284

Details

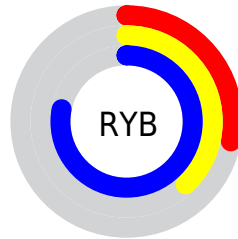
The CIELCh color **46, 55.718, 289.478** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **69, 51.555, 89.297**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 55.387, 289.176**, and **27, 55.025, 291.145** is the 20% darker color. If you saturate the color by 10%, you get **41, 65.523, 292.497**, and if you desaturate by 10%, it is **51, 46.205, 286.754**.

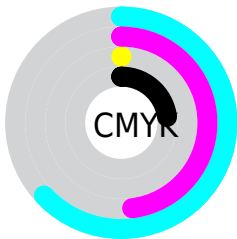
Distribution



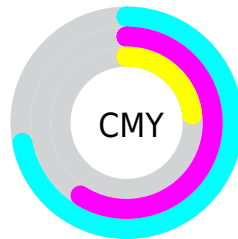
- Red (28%)
- Green (41%)
- Blue (78%)



- Red (28%)
- Yellow (38%)
- Blue (78%)



- Cyan (63%)
- Magenta (48%)
- Yellow (0%)
- Black (23%)





- Cyan (72%)
- Magenta (59%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 55.718, 289.478 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, 55.718, 289.478 by changing the saturation by 10% instead.


 46, 55.718,
289.478


 46, 55.718,
289.478


 100, 55.718,
289.478

 36, 55.718,
289.478

 66, 55.718,
289.478


 26, 55.718,
289.478

 76, 55.718,
289.478

 16, 55.718,
289.478

 86, 55.718,
289.478

 6, 55.718, 289.478

 96, 55.718,
289.478

 0, 55.718, 289.478

 46, 55.718,

 46, 55.718,

289.478

289.478

■ 41, 65.523,
292.497

■ 51, 46.205,
286.754

■ 36, 75.506,
295.695

■ 56, 36.996,
284.363

■ 32, 85.333,
298.871

■ 62, 28.067,
282.298

■ 30, 91.546,
300.793

■ 67, 19.387,
280.528

■ 73, 10.935,
279.018

■ 78, 2.692, 277.767

■ 83, 5.352, 96.543

■ 89, 13.206, 95.592

■ 94, 20.877, 94.750

Harmonies

Complementary

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



46, 55.718, 289.478



69, 51.555, 89.297

Rectangle

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



46, 55.718, 289.478



46, 55.718, 339.478



46, 55.718, 109.478



46, 55.718, 159.478

Sweetspot

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



46, 55.718, 289.479



87, 19.346, 279.892



72, 42.312, 172.473



45, 13.363, 280.347



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 55.718, 289.479



51, 84.054, 293.714



41, 74.961, 305.569



39, 4.664, 278.491



24, 78.401, 300.369



3, 17.849, 284.308

Inverse Universe

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



49, 53.072, 9.813



58, 76.153, 14.612



75, 63.911, 116.328



39, 4.508, 0.429



34, 64.286, 24.988



4, 16.331, 6.735

Previews

White Background



This preview shows how the CIELCh color 46, 55.718, 289.478 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, 55.718, 289.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

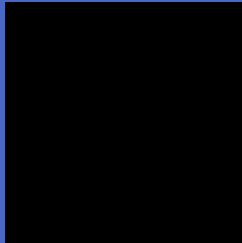
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 55.718, 289.478

Background



This preview shows how black text looks on a background with the CIELCh color 46, 55.718, 289.478.



This preview shows how white text looks on a background with the CIELCh color 46, 55.718, 289.478.

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, 55.741, 289.277

Protanopia

46, 55.953, 286.967

Deuteranopia

46, 52.451, 277.789



Tritanopia
46, 24.639, 211.111

Trichromacy



Original Color
46, 55.741, 289.277

Protanomaly
46, 55.907, 287.944

Deuteranomaly
46, 53.779, 280.807

Tritanomaly
45, 29.115, 256.127

Monochromacy



Original Color
46, 55.741, 289.277

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 21.156, 282.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 55.718, 289.478 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(72, 104, 198)` looks like.

```
.text, #text, p{  
    color:rgb(72, 104, 198)  
}
```

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(72, 104, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 104, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 55.718, 289.478 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(72, 104, 198) }
```

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

```
.border{ border-color:rgb(72, 104, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 104, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 104, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 104, 198);  
box-shadow:4px 4px 4px 4px rgb(72, 104,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 55.718, 289.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 104, 198) }
```

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

```
.background{ background-color: rgb(72, 104,  
198) }
```

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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