

Converting Colors

CIELCh(46, 6.100, 268.528)

Have a look what the booklet for
CIELCh(46, 6.100, 268.528) contains.

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Color

CIELCh(46, 6.338, 269.425)

Conversions

Conversions Part 1

Format	Color
Hex	676D77
RGB	103, 109, 119
RGB Percent	40%, 43%, 47%
CMY	0.5946, 0.5710, 0.5318
CMYK	0.13, 0.08, 0.00, 0.53
HSL	217°, 7%, 44%
HSV	217°, 13%, 47%
XYZ	14.5020, 15.2687, 19.7607
YIQ	108.3460, -6.7860, 1.8380

Conversions

Conversions Part 2

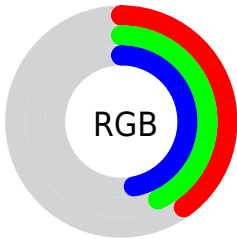
Format	Color
R_{YB}	103, 107, 119
Decimal	6778231
CIE Lab	46.00, -0.06, -6.34
CIE LCh	46, 6.338, 269.425
Yxy	15.2687, 0.2928, 0.3083
Android (android.graphics.Color)	4284968311 (0xFF676D77)
YUV	108.3460, 5.2524, -4.6884
Hunter-Lab	39.0751, -2.1344, -2.6310

Details

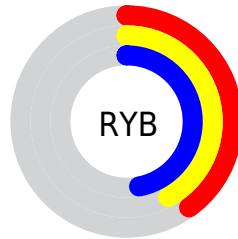
The CIELCh color **46, 6.338, 269.425** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 6.390, 85.997**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 6.446, 270.853**, and **26, 6.339, 268.150** is the 20% darker color. If you saturate the color by 10%, you get **43, 11.114, 270.951**, and if you desaturate by 10%, it is **49, 1.607, 268.170**.

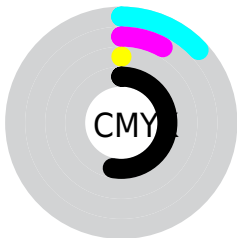
Distribution



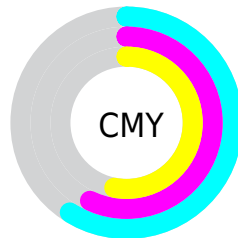
- Red (40%)
- Green (43%)
- Blue (47%)



- Red (40%)
- Yellow (42%)
- Blue (47%)



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)
- Black (53%)



- Cyan (59%)
- Magenta (57%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 6.338, 269.425 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, 6.338, 269.425 by changing the saturation by 10% instead.

■ 46, 6.338, 269.425

■ 46, 6.338, 269.425

■ 100, 6.338,
269.425

■ 36, 6.338, 269.425

■ 66, 6.338, 269.425

■ 26, 6.338, 269.425

■ 76, 6.338, 269.425

■ 16, 6.338, 269.425

■ 86, 6.338, 269.425

■ 6, 6.338, 269.425

■ 96, 6.338, 269.425

■ 0, 6.338, 269.425

■ 46, 6.338, 269.425

■ 46, 6.338, 269.425

■ 43, 11.114,
270.951

■ 49, 1.607, 268.170

■ 40, 15.936,

■ 52, 3.074, 86.839

272.746

55, 7.702, 85.871

37, 20.805,
274.839

58, 12.272, 84.999

34, 25.731,
277.268

62, 16.783, 84.227

65, 21.232, 83.541

31, 30.732,
280.058

68, 25.617, 82.927

28, 35.832,
283.211

71, 29.937, 82.376

74, 34.191, 81.877

25, 41.056,
286.676

22, 46.410,
290.329

21, 50.020,
292.537

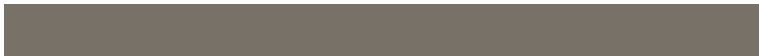
Harmonies

Complementary

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



46, 6.338, 269.425



48, 6.390, 85.997

Rectangle

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



46, 6.338, 269.425



46, 6.338, 319.425



46, 6.338, 89.425



46, 6.338, 139.425

Sweetspot

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



46, 6.337, 269.416



63, 2.341, 268.236



49, 7.371, 169.325



33, 1.677, 268.304



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, 6.337, 269.416



58, 9.403, 269.850



44, 9.631, 295.855



23, 2.617, 268.821



21, 51.059, 292.645



45, 91.718, 294.836

Inverse Universe

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



45, 7.536, 352.139



57, 11.217, 352.442



50, 9.359, 113.753



23, 3.096, 351.704



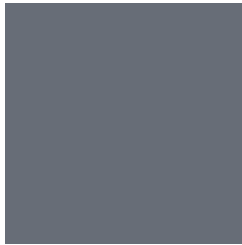
25, 49.292, 11.987



53, 84.246, 15.204

Previews

White Background



This preview shows how the CIELCh color 46, 6.338, 269.425 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 CIELCh color 46, 6.338, 269.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

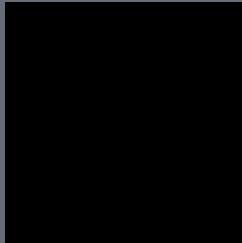
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

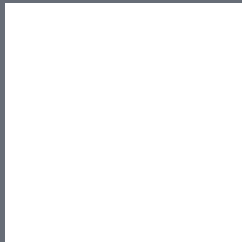
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 6.338, 269.425

Background



This preview shows how black text looks on a background with the CIELCh color 46, 6.338, 269.425.



This preview shows how white text looks on a background with the CIELCh color 46, 6.338, 269.425.

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, 6.338, 269.425

Protanopia

46, 6.545, 291.087

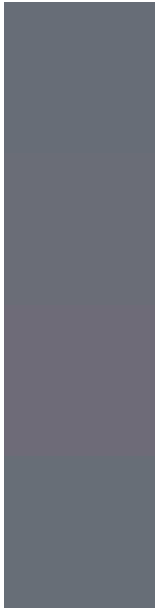
Deuteranopia

46, 8.956, 311.988



Tritanopia
46, 5.427, 260.625

Trichromacy



Original Color

46, 6.338, 269.425

Protanomaly

46, 6.035, 279.795

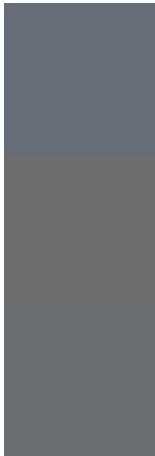
Deuteranomaly

46, 7.849, 299.874

Tritanomaly

46, 5.941, 263.667

Monochromacy



Original Color

46, 6.338, 269.425

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 2.499, 271.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 6.338, 269.425 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(103, 109, 119)` looks like.

```
.text, #text, p{  
    color:rgb(103, 109, 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(103, 109, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 109, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 6.338, 269.425 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(103, 109, 119) }
```

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

```
.border{ border-color:rgb(103, 109, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 109, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 109, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 109, 119);  
box-shadow:4px 4px 4px 4px rgb(103, 109,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 6.338, 269.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 109, 119) }
```

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

```
.background{ background-color: rgb(103,  
109, 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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