

Converting Colors

CIELCh(46, 2.320, 218.868)

Have a look what the booklet for
CIELCh(46, 2.320, 218.868) contains.

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Color

CIELCh(46, 2.469, 213.218)

Conversions

Conversions Part 1

Format	Color
Hex	686E6F
RGB	104, 110, 111
RGB Percent	41%, 43%, 44%
CMY	0.5918, 0.5683, 0.5644
CMYK	0.06, 0.01, 0.00, 0.56
HSL	189°, 3%, 42%
HSV	189°, 6%, 44%
XYZ	14.1785, 15.2687, 17.2641
YIQ	108.3200, -3.8970, -0.9610

Conversions

Conversions Part 2

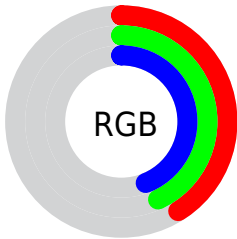
Format	Color
R_{YB}	104, 107, 111
Decimal	6844015
CIE _{Lab}	46.00, -2.07, -1.35
CIE _{LCh}	46, 2.469, 213.218
Yxy	15.2687, 0.3035, 0.3269
Android (android.graphics.Color)	4285034095 (0xFF686E6F)
YUV	108.3200, 1.3212, -3.7886
Hunter-Lab	39.0751, -3.6124, 1.1572

Details

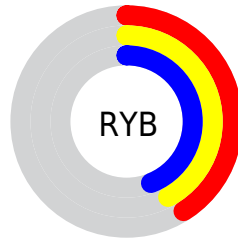
The CIELCh color **46, 2.469, 213.218** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 2.563, 32.943**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 2.676, 211.311**, and **26, 2.637, 199.044** is the 20% darker color. If you saturate the color by 10%, you get **45, 6.227, 213.177**, and if you desaturate by 10%, it is **47, 1.479, 32.815**.

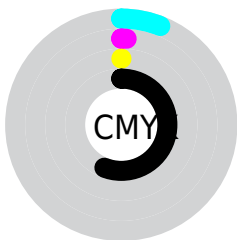
Distribution



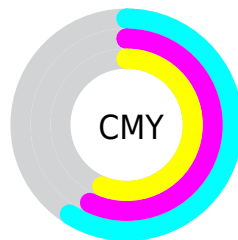
- Red (41%)
- Green (43%)
- Blue (44%)



- Red (41%)
- Yellow (42%)
- Blue (44%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (56%)



- Cyan (59%)
- Magenta (57%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 2.469, 213.218 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, 2.469, 213.218 by changing the saturation by 10% instead.

■ 46, 2.469, 213.218

■ 46, 2.469, 213.218

■ 100, 2.469,
213.218

■ 36, 2.469, 213.218

■ 66, 2.469, 213.218

■ 26, 2.469, 213.218

■ 76, 2.469, 213.218

■ 16, 2.469, 213.218

■ 86, 2.469, 213.218

■ 6, 2.469, 213.218

■ 96, 2.469, 213.218

■ 0, 2.469, 213.218

■ 46, 2.469, 213.218

■ 46, 2.469, 213.218

■ 45, 6.227, 213.177

■ 47, 1.479, 32.815

■ 43, 9.742, 213.348

■ 49, 5.574, 33.080

42, 12.960,
213.675

50, 9.777, 33.249

41, 15.823,
214.186

52, 14.058, 33.442

40, 18.278,
214.920

54, 18.390, 33.661

39, 20.278,
215.921

57, 27.128, 34.151

38, 21.797,
217.240

59, 31.504, 34.411

38, 22.830,
218.931

60, 35.871, 34.676

37, 23.476,
220.961

Harmonies

Complementary

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



46, 2.469, 213.218



45, 2.563, 32.943

Rectangle

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



46, 2.469, 213.218



46, 2.469, 263.218



46, 2.469, 33.218



46, 2.469, 83.218

Sweetspot

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



46, 2.469, 213.189



60, 0.987, 213.483



46, 4.626, 147.986



31, 0.566, 213.520



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 2.469, 213.189



59, 3.890, 213.162



45, 2.824, 269.196



23, 2.208, 213.157



40, 25.019, 221.945



78, 42.634, 223.623

Inverse Universe

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



45, 4.609, 328.914



57, 7.302, 329.032



46, 2.824, 87.563



22, 4.154, 329.079



27, 59.384, 334.578



57, 100.807, 335.000

Previews

White Background



This preview shows how the CIELCh color 46, 2.469, 213.218 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, 2.469, 213.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

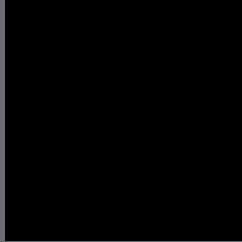
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

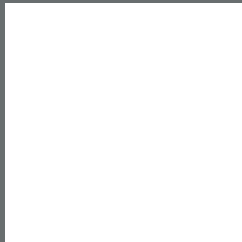
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 2.469, 213.218

Background



This preview shows how black text looks on a background with the CIELCh color 46, 2.469, 213.218.



This preview shows how white text looks on a background with the CIELCh color 46, 2.469, 213.218.

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, 2.469, 213.218

Protanopia

46, 1.454, 324.422

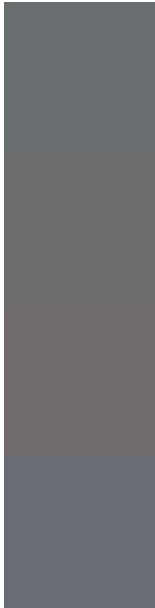
Deuteranopia

46, 6.779, 342.445



Tritanopia
46, 5.544, 274.510

Trichromacy



Original Color

46, 2.469, 213.218

Protanomaly

46, 0.719, 255.957

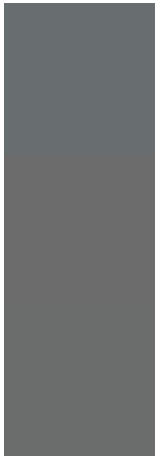
Deuteranomaly

46, 3.870, 329.643

Tritanomaly

46, 3.877, 266.560

Monochromacy



Original Color

46, 2.469, 213.218

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 0.812, 199.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 2.469, 213.218 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(104, 110, 111)` looks like.

```
.text, #text, p{  
    color:rgb(104, 110, 111)  
}
```

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(104, 110, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 110, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 2.469, 213.218 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(104, 110, 111) }
```

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

```
.border{ border-color:rgb(104, 110, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 110, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 110, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 110, 111);  
box-shadow:4px 4px 4px 4px rgb(104, 110,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 2.469, 213.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 110, 111) }
```

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

```
.background{ background-color: rgb(104,  
110, 111) }
```

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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