

Converting Colors

CIELCh(46, 6.102, 264.323)

Have a look what the booklet for
CIELCh(46, 6.102, 264.323) contains.

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Color

CIELCh(46, 5.941, 263.667)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 676E77 |
| RGB | 103, 110, 119 |
| RGB Percent | 40%, 43%, 47% |
| CMY | 0.5974, 0.5699, 0.5346 |
| CMYK | 0.13, 0.08, 0.00, 0.53 |
| HSL | 214°, 7%, 43% |
| HSV | 214°, 13%, 47% |
| XYZ | 14.4059, 15.2687, 19.5350 |
| YIQ | 108.9330, -7.0610, 1.3150 |

Conversions

Conversions Part 2

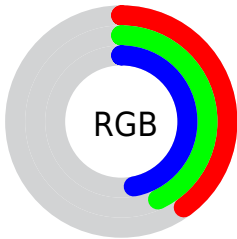
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 103, 108, 119 |
| Decimal | 6778487 |
| CIE Lab | 46.00, -0.66, -5.90 |
| CIE LCh | 46, 5.941, 263.667 |
| Yxy | 15.2687, 0.2927, 0.3103 |
| Android (android.graphics.Color) | 4284968567 (0xFF676E77) |
| YUV | 108.9330, 4.9630, -5.2032 |
| Hunter-Lab | 39.0751, -2.5736, -2.2884 |

Details

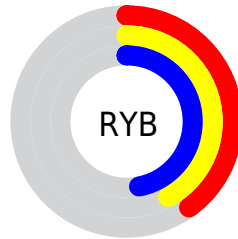
The CIELCh color $46, 5.941, 263.667$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 6.057, 80.194$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 5.732, 259.889$, and $26, 5.916, 261.668$ is the 20% darker color. If you saturate the color by 10%, you get $43, 10.347, 265.209$, and if you desaturate by 10%, it is $49, 1.535, 262.418$.

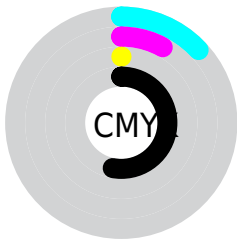
Distribution



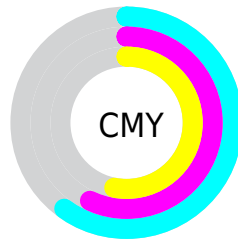
- Red (40%)
- Green (43%)
- Blue (47%)



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



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



- Cyan (60%)
- Magenta (57%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 5.941, 263.667 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, 5.941, 263.667 by changing the saturation by 10% instead.

■ 46, 5.941, 263.667

■ 46, 5.941, 263.667

■ 100, 5.941,
263.667

■ 36, 5.941, 263.667

■ 66, 5.941, 263.667

■ 26, 5.941, 263.667

■ 76, 5.941, 263.667

■ 16, 5.941, 263.667

■ 86, 5.941, 263.667

■ 6, 5.941, 263.667

■ 96, 5.941, 263.667

■ 0, 5.941, 263.667

■ 46, 5.941, 263.667

■ 46, 5.941, 263.667

■ 43, 10.347,
265.209

■ 49, 1.535, 262.418

■ 40, 14.748,

■ 52, 2.860, 81.042

267.037

55, 7.237, 80.083

37, 19.138,
269.180

58, 11.586, 79.218

35, 23.520,
271.683

60, 15.902, 78.454

32, 27.906,
274.581

63, 20.179, 77.776

29, 32.322,
277.882

66, 24.413, 77.172

27, 36.805,
281.552

69, 28.600, 76.630

24, 41.396,
285.475

72, 32.739, 76.142

23, 44.489,
287.845

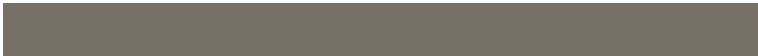
Harmonies

Complementary

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



46, 5.941, 263.667



47, 6.057, 80.194

Rectangle

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



46, 5.941, 263.667



46, 5.941, 313.667



46, 5.941, 83.667



46, 5.941, 133.667

Sweetspot

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



46, 5.940, 263.657



62, 2.174, 262.474



48, 7.722, 165.342



32, 1.535, 262.538



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 5.940, 263.657



58, 8.684, 264.082



44, 9.604, 293.393



23, 2.458, 263.052



24, 45.642, 287.994



49, 81.912, 290.426

Inverse Universe

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



45, 7.821, 348.273



56, 11.476, 348.553



49, 9.326, 111.008



23, 3.217, 347.855



25, 49.041, 6.116



53, 83.227, 9.035

Previews

White Background



This preview shows how the CIELCh color 46, 5.941, 263.667 looks on a white background.

Color Contrast Check

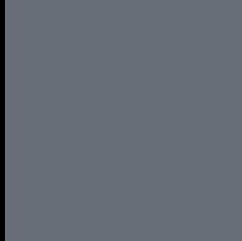
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.941, 263.667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

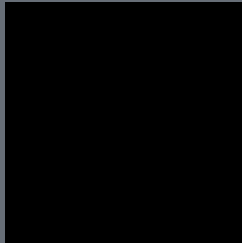
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

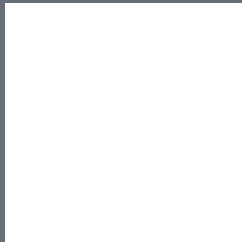
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 5.941, 263.667

Background



This preview shows how black text looks on a background with the CIELCh color 46, 5.941, 263.667.

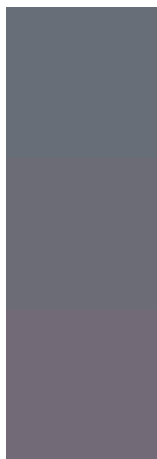


This preview shows how white text looks on a background with the CIELCh color 46, 5.941, 263.667.

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, 5.941, 263.667

Protanopia

46, 5.950, 291.006

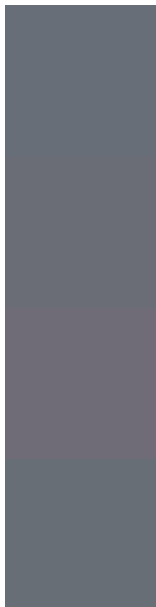
Deuteranopia

46, 8.566, 315.910



Tritanopia
46, 5.427, 260.625

Trichromacy



Original Color

46, 5.941, 263.667

Protanomaly

46, 5.455, 278.458

Deuteranomaly

46, 7.341, 303.583

Tritanomaly

46, 5.427, 260.625

Monochromacy



Original Color

46, 5.941, 263.667

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, 5.941, 263.667 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, 110, 119)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 110, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 110, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 5.941, 263.667 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, 110, 119) }
```

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

```
.border{ border-color:rgb(103, 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(103, 110, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 110, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 110, 119);  
box-shadow:4px 4px 4px 4px rgb(103, 110,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 5.941, 263.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 110, 119) }
```

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

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