

Converting Colors

CIELCh(46, 17.283, 265.870)

Have a look what the booklet for
CIELCh(46, 17.283, 265.870)
contains.

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Color

CIELCh(46, 16.953, 265.383)

Conversions

Conversions Part 1

Format	Color
Hex	596F89
RGB	89, 111, 137
RGB Percent	35%, 44%, 54%
CMY	0.6514, 0.5651, 0.4632
CMYK	0.35, 0.19, 0.00, 0.46
HSL	212°, 21%, 44%
HSV	212°, 35%, 54%
XYZ	14.2912, 15.2687, 25.8211
YIQ	107.3860, -21.4580, 3.4220

Conversions

Conversions Part 2

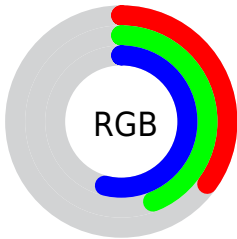
Format	Color
R_{YB}	89, 104, 137
Decimal	5861257
CIE _{Lab}	46.00, -1.36, -16.90
CIE _{LCh}	46, 16.953, 265.383
Yxy	15.2687, 0.2581, 0.2757
Android (android.graphics.Color)	4284051337 (0xFF596F89)
YUV	107.3860, 14.5997, -16.1245
Hunter-Lab	39.0751, -3.0974, -11.8266

Details

The CIELCh color $46, 16.953, 265.383$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $50, 18.190, 75.405$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 16.633, 263.650$, and $26, 17.081, 266.882$ is the 20% darker color. If you saturate the color by 10%, you get $43, 21.722, 267.640$, and if you desaturate by 10%, it is $49, 12.147, 263.464$.

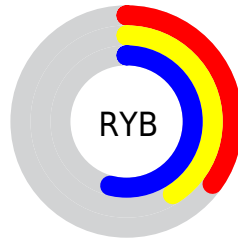
Distribution



Red (35%)

Green (44%)

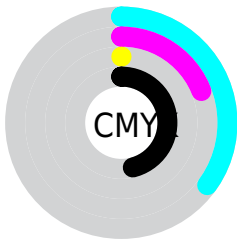
Blue (54%)



Red (35%)

Yellow (41%)

Blue (54%)

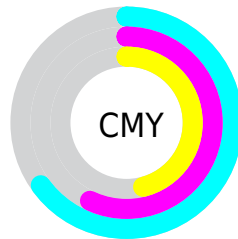


Cyan (35%)

Magenta (19%)

Yellow (0%)

Black (46%)



Cyan (65%)


Magenta (57%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.953, 265.383 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, 16.953, 265.383 by changing the saturation by 10% instead.


 46, 16.953,
265.383


 46, 16.953,
265.383


 100, 16.953,
265.383


 36, 16.953,
265.383

 66, 16.953,
265.383


 26, 16.953,
265.383

 76, 16.953,
265.383

 16, 16.953,
265.383


 86, 16.953,
265.383

 6, 16.953, 265.383

 96, 16.953,
265.383

 0, 16.953, 265.383

 46, 16.953,

 46, 16.953,

265.383

265.383

■ 43, 21.722,
267.640

■ 49, 12.147,
263.464

■ 40, 26.457,
270.287

■ 52, 7.314, 261.842

■ 37, 31.175,
273.358

■ 55, 2.463, 260.515

■ 59, 2.393, 79.111

■ 34, 35.909,
276.858

■ 62, 7.242, 78.150

■ 31, 40.707,
280.738

■ 65, 12.073, 77.269

■ 68, 16.876, 76.492

■ 29, 45.623,
284.855

■ 71, 21.645, 75.807

■ 28, 48.129,
286.750

■ 75, 26.372, 75.198

Harmonies

Complementary

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



46, 16.953, 265.383



50, 18.190, 75.405

Rectangle

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



46, 16.953, 265.383



46, 16.953, 315.383



46, 16.953, 85.383



46, 16.953, 135.383

Sweetspot

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



46, 16.952, 265.381



68, 6.639, 261.296



53, 22.558, 162.202



35, 4.443, 261.455



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



46, 16.952, 265.381



56, 25.162, 267.128



40, 29.335, 295.542



27, 2.757, 261.015



27, 46.884, 286.608



1, 1.281, 259.794

Inverse Universe

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



44, 23.581, 349.355



53, 35.061, 350.365



56, 26.965, 108.396



27, 3.729, 346.669



28, 51.989, 4.583



0, 1.710, 345.952

Previews

White Background



This preview shows how the CIELCh color 46, 16.953, 265.383 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, 16.953, 265.383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

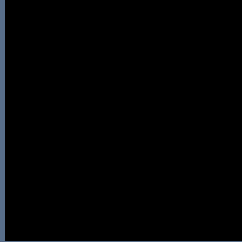
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

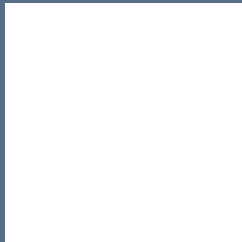
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 16.953, 265.383

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.953, 265.383.

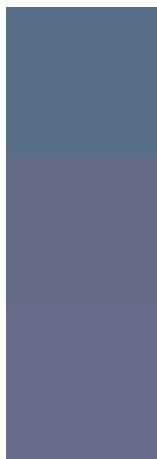


This preview shows how white text looks on a background with the CIELCh color 46, 16.953, 265.383.

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, 16.953, 265.383

Protanopia

46, 16.140, 284.599

Deuteranopia

46, 18.445, 289.320



Tritanopia
46, 11.630, 229.389

Trichromacy



Original Color
46, 16.953, 265.383

Protanomaly
46, 16.471, 277.264

Deuteranomaly
46, 18.026, 282.363

Tritanomaly
46, 13.050, 245.826

Monochromacy



Original Color
46, 16.953, 265.383

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 6.648, 263.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.953, 265.383 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(89, 111, 137)` looks like.

```
.text, #text, p{  
    color:rgb(89, 111, 137)  
}
```

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(89, 111, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 111, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.953, 265.383 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(89, 111, 137) }
```

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

```
.border{ border-color:rgb(89, 111, 137) }
```

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

Here you see how a box with a 4 pixel rgb(89, 111, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 111, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 111, 137);  
box-shadow:4px 4px 4px 4px rgb(89, 111,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.953, 265.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 111, 137) }
```

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

```
.background{ background-color: rgb(89, 111,  
137) }
```

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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