

Converting Colors

CIELCh(46, 21.299, 214.847)

Have a look what the booklet for
CIELCh(46, 21.299, 214.847)
contains.

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Color

CIELCh(46, 21.369, 215.357)

Conversions

Conversions Part 1

Format	Color
Hex	347681
RGB	52, 118, 129
RGB Percent	20%, 46%, 51%
CMY	0.7961, 0.5373, 0.4942
CMYK	0.60, 0.09, 0.00, 0.49
HSL	189°, 43%, 35%
HSV	189°, 60%, 51%
XYZ	11.8543, 15.2687, 23.0875
YIQ	99.5200, -42.8670, -10.5710

Conversions

Conversions Part 2

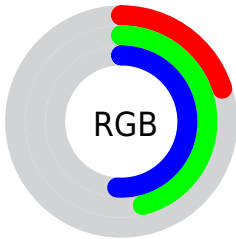
Format	Color
R_{YB}	52, 88, 129
Decimal	3438209
CIE _{Lab}	46.00, -17.43, -12.37
CIE _{LCh}	46, 21.369, 215.357
Yxy	15.2687, 0.2361, 0.3041
Android (android.graphics.Color)	4281628289 (0xFF347681)
YUV	99.5200, 14.5336, -41.6750
Hunter-Lab	39.0751, -14.2295, -7.6789

Details

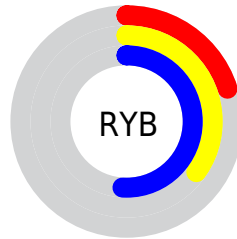
The CIELCh color **46, 21.369, 215.357** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 33.793, 35.932**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 21.428, 216.069**, and **26, 18.945, 219.516** is the 20% darker color. If you saturate the color by 10%, you get **45, 23.392, 216.511**, and if you desaturate by 10%, it is **47, 18.807, 214.498**.

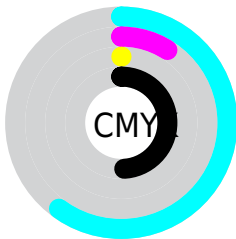
Distribution



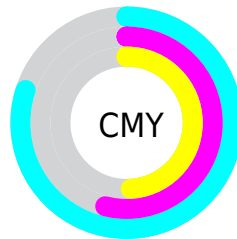
- Red (20%)
- Green (46%)
- Blue (51%)



- Red (20%)
- Yellow (35%)
- Blue (51%)



- Cyan (60%)
- Magenta (9%)
- Yellow (0%)
- Black (49%)





- Cyan (80%)
- Magenta (54%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 21.369, 215.357 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, 21.369, 215.357 by changing the saturation by 10% instead.


 46, 21.369,
215.357


 46, 21.369,
215.357


 100, 21.369,
215.357


 36, 21.369,
215.357

 66, 21.369,
215.357


 26, 21.369,
215.357

 76, 21.369,
215.357

 16, 21.369,
215.357

 86, 21.369,
215.357

 6, 21.369, 215.357

 96, 21.369,
215.357

 0, 21.369, 215.357

 46, 21.369,

 46, 21.369,

215.357

■ 45, 23.392,
216.511

■ 44, 24.856,
218.021

■ 43, 25.775,
219.939

■ 43, 26.347,
222.150

■ 43, 26.365,
222.217

215.357

■ 47, 18.807,
214.498

■ 48, 15.753,
213.890

■ 50, 12.266,
213.486

■ 51, 8.412, 213.253

■ 52, 4.258, 213.181

■ 54, 0.136, 30.134

■ 56, 4.715, 33.052

■ 57, 9.432, 33.220

■ 59, 14.247, 33.408

Harmonies

Complementary

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



46, 21.369, 215.357



35, 33.793, 35.932

Rectangle

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



46, 21.369, 215.357



46, 21.369, 265.357



46, 21.369, 35.357



46, 21.369, 85.357

Sweetspot

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



46, 21.369, 215.355



66, 9.592, 213.234



48, 48.340, 143.038



33, 6.584, 213.273



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 21.369, 215.355



58, 29.199, 217.069



34, 31.137, 279.788



26, 2.455, 213.184



42, 26.146, 222.183



0, 0.000, 0.000

Inverse Universe

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



35, 47.460, 332.145



42, 67.193, 332.988



44, 32.011, 80.575



25, 4.623, 329.101



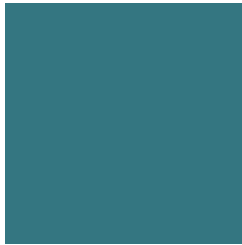
29, 62.030, 334.638



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 21.369, 215.357 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, 21.369, 215.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

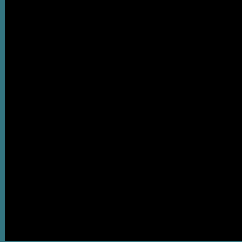
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 21.369, 215.357

Background



This preview shows how black text looks on a background with the CIELCh color 46, 21.369, 215.357.

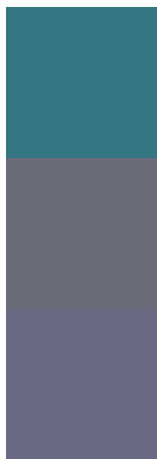


This preview shows how white text looks on a background with the CIELCh color 46, 21.369, 215.357.

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, 21.369, 215.357

Protanopia

46, 8.350, 286.020

Deuteranopia

46, 15.505, 293.671



Tritanopia
46, 21.522, 213.509

Trichromacy



Original Color
46, 21.369, 215.357

Protanomaly
46, 11.970, 239.116

Deuteranomaly
45, 14.652, 258.028

Tritanomaly
46, 21.522, 213.509

Monochromacy



Original Color
46, 21.369, 215.357

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 9.369, 213.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 21.369, 215.357 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(52, 118, 129)` looks like.

```
.text, #text, p{  
    color:rgb(52, 118, 129)  
}
```

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(52, 118, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 118, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 21.369, 215.357 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(52, 118, 129) }
```

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

```
.border{ border-color:rgb(52, 118, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 118, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 118, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 118, 129);  
box-shadow:4px 4px 4px 4px rgb(52, 118,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 21.369, 215.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 118, 129) }
```

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

```
.background{ background-color: rgb(52, 118,  
129) }
```

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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