

Converting Colors

CIELCh(46, 21.733, 213.201)

Have a look what the booklet for
CIELCh(46, 21.733, 213.201)
contains.

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Color

CIELCh(46, 21.722, 213.337)

Conversions

Conversions Part 1

Format	Color
Hex	327680
RGB	50, 118, 128
RGB Percent	20%, 46%, 50%
CMY	0.8028, 0.5362, 0.4970
CMYK	0.61, 0.08, 0.00, 0.50
HSL	188°, 44%, 35%
HSV	188°, 61%, 50%
XYZ	11.7521, 15.2687, 22.8399
YIQ	98.8080, -43.7380, -11.3060

Conversions

Conversions Part 2

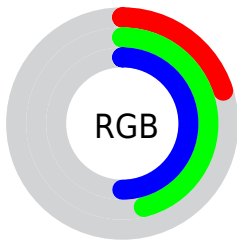
Format	Color
RYB	50, 86, 128
Decimal	3307136
CIELab	46.00, -18.15, -11.94
CIElCh	46, 21.722, 213.337
Yxy	15.2687, 0.2357, 0.3062
Android (android.graphics.Color)	4281497216 (0xFF327680)
YUV	98.8080, 14.3917, -42.8046
Hunter-Lab	39.0751, -14.6963, -7.3031

Details

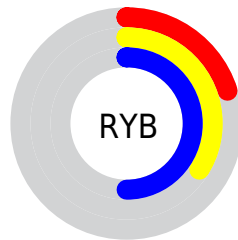
The CIELCh color **46, 21.722, 213.337** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 34.701, 35.022**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 21.605, 214.328**, and **26, 18.885, 217.387** is the 20% darker color. If you saturate the color by 10%, you get **45, 23.681, 214.358**, and if you desaturate by 10%, it is **47, 19.213, 212.588**.

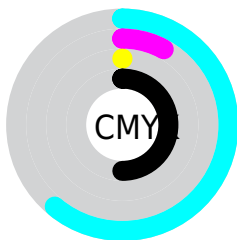
Distribution



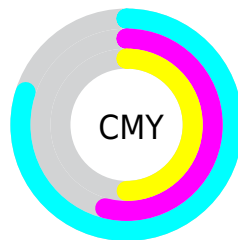
- Red (20%)
- Green (46%)
- Blue (50%)



- Red (20%)
- Yellow (34%)
- Blue (50%)



- Cyan (61%)
- Magenta (8%)
- Yellow (0%)
- Black (50%)





- Cyan (80%)
- Magenta (54%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 21.722, 213.337 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, 21.722, 213.337 by changing the saturation by 10% instead.


 46, 21.722,
213.337


 46, 21.722,
213.337


 100, 21.722,
213.337


 36, 21.722,
213.337

 66, 21.722,
213.337


 26, 21.722,
213.337

 76, 21.722,
213.337

 16, 21.722,
213.337

 86, 21.722,
213.337

 6, 21.722, 213.337

 96, 21.722,
213.337

 0, 21.722, 213.337

 46, 21.722,

 46, 21.722,

213.337

■ 45, 23.681,
214.358

■ 44, 25.073,
215.705

■ 44, 25.914,
217.422

■ 43, 26.408,
219.210

213.337

■ 47, 19.213,
212.588

■ 48, 16.200,
212.070

■ 49, 12.741,
211.744

■ 51, 8.903, 211.576

■ 52, 4.754, 211.557

■ 54, 0.356, 212.636

■ 55, 4.235, 31.531

■ 57, 8.969, 31.753

■ 58, 13.805, 31.985

Harmonies

Complementary

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



46, 21.722, 213.337



34, 34.701, 35.022

Rectangle

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



46, 21.722, 213.337



46, 21.722, 263.337



46, 21.722, 33.337



46, 21.722, 83.337

Sweetspot

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



46, 21.722, 213.335



65, 9.577, 211.558



48, 49.446, 142.427



34, 6.655, 211.578



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, 21.722, 213.335



57, 29.285, 214.839



34, 30.826, 278.740



26, 2.482, 211.573



43, 26.296, 219.195



0, 0.000, 0.000

Inverse Universe

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



34, 48.414, 331.662



41, 67.622, 332.449



44, 32.181, 78.956



25, 4.671, 328.632



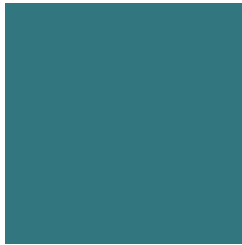
29, 62.713, 333.893



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 21.722, 213.337 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, 21.722, 213.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

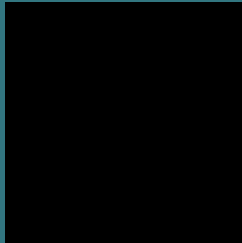
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 21.722, 213.337

Background



This preview shows how black text looks on a background with the CIELCh color 46, 21.722, 213.337.

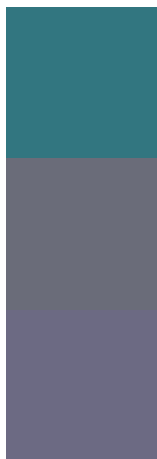


This preview shows how white text looks on a background with the CIELCh color 46, 21.722, 213.337.

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, 21.722, 213.337

Protanopia

46, 7.759, 285.512

Deuteranopia

46, 14.930, 295.088



Tritanopia
46, 21.722, 213.337

Trichromacy



Original Color
46, 21.722, 213.337

Protanomaly
46, 11.648, 236.624

Deuteranomaly
45, 14.184, 256.498

Tritanomaly
46, 21.722, 213.337

Monochromacy



Original Color
46, 21.722, 213.337

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 9.717, 212.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 21.722, 213.337 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(50, 118, 128)` looks like.

```
.text, #text, p{  
    color:rgb(50, 118, 128)  
}
```

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(50, 118, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 118, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 21.722, 213.337 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(50, 118, 128) }
```

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

```
.border{ border-color:rgb(50, 118, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 118, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 118, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 118, 128);  
box-shadow:4px 4px 4px 4px rgb(50, 118,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 21.722, 213.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 118, 128) }
```

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

```
.background{ background-color: rgb(50, 118,  
128) }
```

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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