

Converting Colors

CIELCh(46, 22.034, 219.804)

Have a look what the booklet for
CIELCh(46, 22.034, 219.804)
contains.

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Color

CIELCh(46, 21.996, 219.859)

Conversions

Conversions Part 1

Format	Color
Hex	327684
RGB	50, 118, 132
RGB Percent	20%, 46%, 52%
CMY	0.8044, 0.5377, 0.4828
CMYK	0.62, 0.11, 0.00, 0.48
HSL	190°, 45%, 36%
HSV	190°, 62%, 52%
XYZ	11.9318, 15.2687, 24.1079
YIQ	99.2640, -45.0220, -10.0620

Conversions

Conversions Part 2

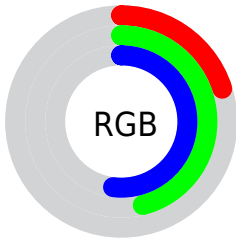
Format	Color
RYB	50, 87, 132
Decimal	3307140
CIELab	46.00, -16.88, -14.10
CIELCh	46, 21.996, 219.859
Yxy	15.2687, 0.2326, 0.2976
Android (android.graphics.Color)	4281497220 (0xFF327684)
YUV	99.2640, 16.1388, -43.2045
Hunter-Lab	39.0751, -13.8756, -9.2271

Details

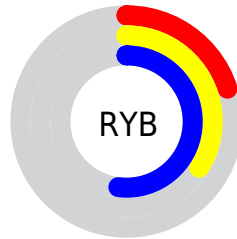
The CIELCh color **46, 21.996, 219.859** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 35.537, 38.267**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 21.990, 220.271**, and **26, 19.263, 225.795** is the 20% darker color. If you saturate the color by 10%, you get **45, 23.923, 221.439**, and if you desaturate by 10%, it is **47, 19.533, 218.648**.

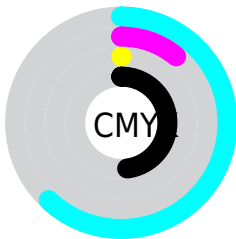
Distribution



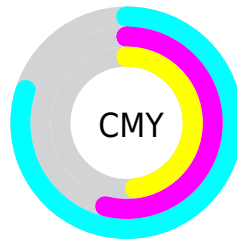
- Red (20%)
- Green (46%)
- Blue (52%)



- Red (20%)
- Yellow (34%)
- Blue (52%)



- Cyan (62%)
- Magenta (11%)
- Yellow (0%)
- Black (48%)




- Cyan (80%)
- Magenta (54%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 21.996, 219.859 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, 21.996, 219.859 by changing the saturation by 10% instead.

 46, 21.996,
219.859


 46, 21.996,
219.859


 100, 21.996,
219.859


 36, 21.996,
219.859

 66, 21.996,
219.859


 26, 21.996,
219.859

 76, 21.996,
219.859

 16, 21.996,
219.859

 86, 21.996,
219.859

 6, 21.996, 219.859

 96, 21.996,
219.859

 0, 21.996, 219.859

 46, 21.996,

 46, 21.996,

219.859

■ 45, 23.923,
221.439

■ 44, 25.307,
223.460

■ 43, 26.177,
225.980

■ 42, 26.689,
228.129

219.859

■ 47, 19.533,
218.648

■ 49, 16.574,
217.746

■ 50, 13.175,
217.097

■ 51, 9.399, 216.656

■ 53, 5.312, 216.395

■ 55, 0.975, 216.567

■ 56, 3.557, 35.971

■ 58, 8.237, 36.045

■ 60, 13.024, 36.131

Harmonies

Complementary

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



46, 21.996, 219.859



36, 35.537, 38.267

Rectangle

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



46, 21.996, 219.859



46, 21.996, 269.859



46, 21.996, 39.859



46, 21.996, 89.859

Sweetspot

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



46, 21.995, 219.858



66, 10.031, 216.566



49, 49.821, 143.686



34, 6.906, 216.646



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



46, 21.995, 219.858



57, 29.743, 222.290



33, 34.743, 283.076



27, 2.489, 216.357



42, 26.420, 228.080



0, 0.610, 216.147

Inverse Universe

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



35, 48.992, 333.394



42, 68.356, 334.383



46, 34.605, 83.046



26, 4.685, 330.029



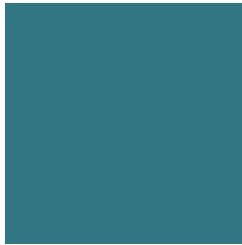
29, 61.617, 336.143



0, 1.115, 329.522

Previews

White Background



This preview shows how the CIELCh color 46, 21.996, 219.859 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, 21.996, 219.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

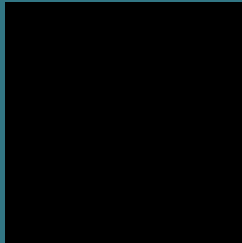
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

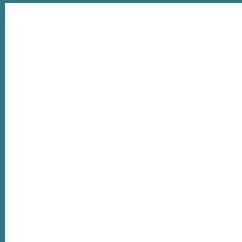
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 21.996, 219.859

Background



This preview shows how black text looks on a background with the CIELCh color 46, 21.996, 219.859.

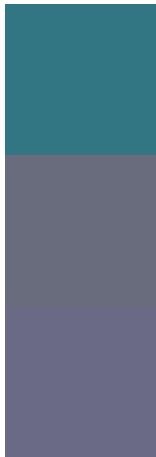


This preview shows how white text looks on a background with the CIELCh color 46, 21.996, 219.859.

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, 21.996, 219.859

Protanopia

46, 10.152, 285.106

Deuteranopia

46, 16.683, 292.457



Tritanopia
46, 22.312, 211.211

Trichromacy



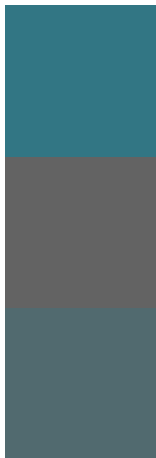
Original Color
46, 21.996, 219.859

Protanomaly
46, 13.274, 244.778

Deuteranomaly
45, 15.770, 259.781

Tritanomaly
46, 22.141, 212.972

Monochromacy



Original Color
46, 21.996, 219.859

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 9.823, 216.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 21.996, 219.859 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(50, 118, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 118, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 21.996, 219.859 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, 132) }
```

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

```
.border{ border-color:rgb(50, 118, 132) }
```

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, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 118, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 118, 132);  
box-shadow:4px 4px 4px 4px rgb(50, 118,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 21.996, 219.859 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, 132) }
```

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

```
.background{ background-color: rgb(50, 118,  
132) }
```

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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