

Converting Colors

CIELCh(46, 21.979, 204.985)

Have a look what the booklet for
CIELCh(46, 21.979, 204.985)
contains.

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Color

CIELCh(46, 21.979, 204.985)

Conversions

Conversions Part 1

Format	Color
Hex	32777C
RGB	50, 119, 124
RGB Percent	20%, 47%, 49%
CMY	0.8048, 0.5341, 0.5145
CMYK	0.60, 0.04, 0.00, 0.51
HSL	184°, 43%, 34%
HSV	184°, 60%, 49%
XYZ	11.5028, 15.2687, 21.3435
YIQ	98.9390, -42.7290, -13.0730

Conversions

Conversions Part 2

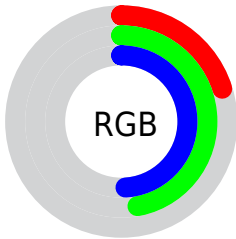
Format	Color
RYB	50, 86, 124
Decimal	3307388
CIELab	46.00, -19.92, -9.28
CIELCh	46, 21.979, 204.985
Yxy	15.2687, 0.2391, 0.3173
Android (android.graphics.Color)	4281497468 (0xFF32777C)
YUV	98.9390, 12.3551, -42.9195
Hunter-Lab	39.0751, -15.8355, -5.0325




Details

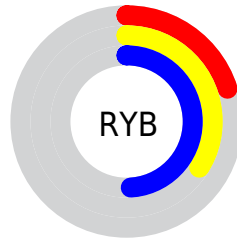
The CIELCh color **46, 21.979, 204.985** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 34.431, 30.780**, and the grayscale version is **42, 0.006, 296.813**.




A 20% lighter version of the original color is **66, 21.977, 204.956**, and **26, 19.127, 206.571** is the 20% darker color. If you saturate the color by 10%, you get **45, 24.037, 205.334**, and if you desaturate by 10%, it is **47, 19.364, 204.790**.

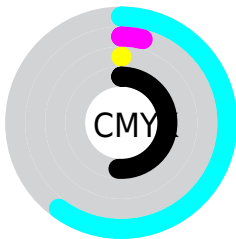
Distribution







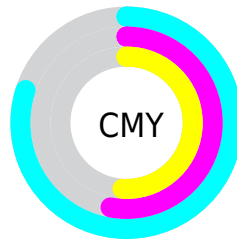
-  Red (20%)
-  Green (47%)
-  Blue (49%)






-  Red (20%)
-  Yellow (34%)
-  Blue (49%)



-  Cyan (60%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (51%)





-  Cyan (80%)
-  Magenta (53%)
-  Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 21.979, 204.985 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, 21.979, 204.985 by changing the saturation by 10% instead.


 46, 21.979,
204.985


 46, 21.979,
204.985


 100, 21.979,
204.985


 36, 21.979,
204.985

 66, 21.979,
204.985


 26, 21.979,
204.985

 76, 21.979,
204.985

 16, 21.979,
204.985

 86, 21.979,
204.985

 6, 21.979, 204.985

 96, 21.979,
204.985

 0, 21.979, 204.985

 46, 21.979,

 46, 21.979,

204.985

■ 45, 24.037,
205.334

■ 45, 25.516,
205.863

■ 44, 26.428,
206.589

■ 44, 26.979,
207.446

■ 44, 26.990,
207.464

204.985

■ 47, 19.364,
204.790

■ 48, 16.238,
204.733

■ 49, 12.660,
204.794

■ 50, 8.700, 204.958

■ 51, 4.426, 205.230

■ 52, 0.096, 21.363

■ 53, 4.807, 25.692

■ 55, 9.657, 26.110

■ 56, 14.601, 26.530

Harmonies

Complementary

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



46, 21.979, 204.985



32, 34.431, 30.780

Rectangle

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



46, 21.979, 204.985



46, 21.979, 254.985



46, 21.979, 24.985



46, 21.979, 74.985

Sweetspot

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



46, 21.979, 204.983



63, 9.833, 204.988



46, 48.966, 141.210



33, 6.834, 204.935



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 21.979, 204.983



58, 29.839, 205.519



34, 27.387, 273.953



25, 2.527, 205.256



44, 27.169, 207.475



85, 45.565, 208.130

Inverse Universe

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



34, 48.368, 329.465



41, 68.178, 330.075



41, 30.051, 74.573



24, 4.708, 326.775



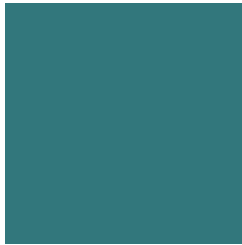
28, 64.729, 331.014



59, 108.662, 331.175

Previews

White Background



This preview shows how the CIELCh color 46, 21.979, 204.985 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, 21.979, 204.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

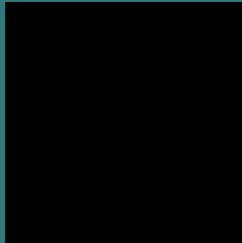
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 21.979, 204.985

Background



This preview shows how black text looks on a background with the CIELCh color 46, 21.979, 204.985.



This preview shows how white text looks on a background with the CIELCh color 46, 21.979, 204.985.

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, 21.979, 204.985

Protanopia

46, 5.356, 290.926

Deuteranopia

46, 12.634, 298.835



Tritanopia
46, 21.318, 213.686

Trichromacy



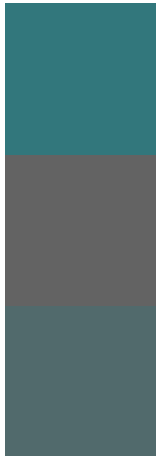
Original Color
46, 21.979, 204.985

Protanomaly
46, 10.087, 223.025

Deuteranomaly
46, 11.998, 247.175

Tritanomaly
46, 21.476, 210.182

Monochromacy



Original Color
46, 21.979, 204.985

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 9.613, 205.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 21.979, 204.985 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, 119, 124)` looks like.

```
.text, #text, p{  
    color:rgb(50, 119, 124)  
}
```

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, 119, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 119, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 21.979, 204.985 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, 119, 124) }
```

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

```
.border{ border-color:rgb(50, 119, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 119, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 119, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 119, 124);  
box-shadow:4px 4px 4px 4px rgb(50, 119,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 21.979, 204.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 119, 124) }
```

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

```
.background{ background-color: rgb(50, 119,  
124) }
```

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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