

Converting Colors

CIELCh(46, 19.772, 193.774)

Have a look what the booklet for
CIELCh(46, 19.772, 193.774)
contains.

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Color

CIELCh(46, 19.772, 193.774)

Conversions

Conversions Part 1

Format	Color
Hex	3D7674
RGB	61, 118, 116
RGB Percent	24%, 46%, 45%
CMY	0.7600, 0.5365, 0.5443
CMYK	0.48, 0.00, 0.02, 0.54
HSL	178°, 32%, 35%
HSV	178°, 48%, 46%
XYZ	11.6033, 15.2687, 18.9195
YIQ	100.7290, -33.3300, -12.7060

Conversions

Conversions Part 2

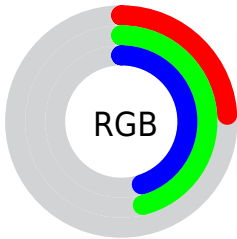
Format	Color
RYB	61, 90, 118
Decimal	4028020
CIELab	46.00, -19.20, -4.71
CIELCh	46, 19.772, 193.774
Yxy	15.2687, 0.2534, 0.3334
Android (android.graphics.Color)	4282218100 (0xFF3D7674)
YUV	100.7290, 7.5286, -34.8423
Hunter-Lab	39.0751, -15.3760, -1.3547

Details

The CIELCh color **46, 19.772, 193.774** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 26.940, 21.781**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 19.591, 194.498**, and **26, 19.622, 194.423** is the 20% darker color. If you saturate the color by 10%, you get **46, 22.691, 193.271**, and if you desaturate by 10%, it is **47, 16.363, 194.298**.

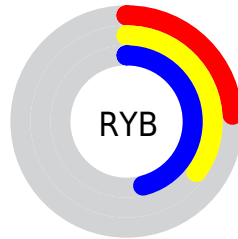
Distribution



Red (24%)

Green (46%)

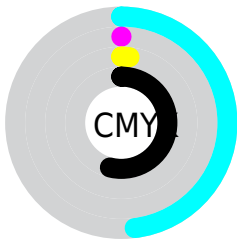
Blue (45%)



Red (24%)

Yellow (35%)

Blue (46%)

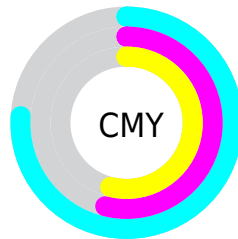


Cyan (48%)

Magenta (0%)

Yellow (2%)

Black (54%)



Cyan (76%)


Magenta (54%)

Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 19.772, 193.774 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, 19.772, 193.774 by changing the saturation by 10% instead.


 46, 19.772,
193.774


 46, 19.772,
193.774


 100, 19.772,
193.774


 36, 19.772,
193.774

 66, 19.772,
193.774


 26, 19.772,
193.774

 76, 19.772,
193.774

 16, 19.772,
193.774


 86, 19.772,
193.774

 6, 19.772, 193.774

 96, 19.772,
193.774

 0, 19.772, 193.774

 46, 19.772,

 46, 19.772,

193.774

193.774

■ 46, 22.691,
193.271

■ 47, 16.363,
194.298

■ 45, 25.073,
192.790

■ 47, 12.527,
194.852

■ 45, 26.893,
192.325

■ 48, 8.332, 195.437

■ 45, 28.157,
191.865

■ 49, 3.850, 196.079

■ 50, 0.852, 16.154

■ 45, 29.015,
191.409

■ 51, 5.713, 17.148

■ 45, 29.165,
191.330

■ 52, 10.682, 17.809

■ 53, 15.714, 18.456

■ 55, 20.775, 19.099

Harmonies

Complementary

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



46, 19.772, 193.774



33, 26.940, 21.781

Rectangle

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



46, 19.772, 193.774



46, 19.772, 243.774



46, 19.772, 13.774



46, 19.772, 63.774

Sweetspot

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



46, 19.772, 193.772



62, 7.988, 195.675



45, 39.977, 139.743



31, 5.458, 195.568



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 19.772, 193.772



58, 27.738, 193.211



38, 18.488, 257.927



24, 2.615, 196.022



46, 29.906, 191.312



89, 50.787, 191.039

Inverse Universe

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



33, 26.940, 21.781



39, 41.046, 24.171



40, 22.072, 64.579



23, 2.751, 17.012



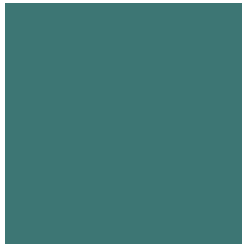
24, 58.064, 36.598



52, 101.622, 39.022

Previews

White Background



This preview shows how the CIELCh color 46, 19.772, 193.774 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, 19.772, 193.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

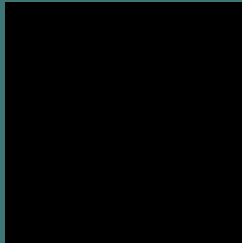
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 19.772, 193.774

Background



This preview shows how black text looks on a background with the CIELCh color 46, 19.772, 193.774.



This preview shows how white text looks on a background with the CIELCh color 46, 19.772, 193.774.

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, 19.772, 193.774

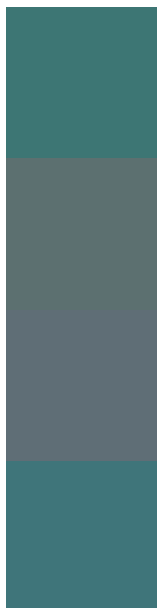
Protanopia
46, 1.454, 324.422

Deuteranopia
46, 9.120, 314.353



Tritanopia
46, 18.297, 214.772

Trichromacy



Original Color
46, 19.772, 193.774

Protanomaly
46, 7.780, 198.554

Deuteranomaly
45, 7.352, 239.480

Tritanomaly
46, 18.435, 206.856

Monochromacy



Original Color
46, 19.772, 193.774

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 7.826, 198.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 19.772, 193.774 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(61, 118, 116)` looks like.

```
.text, #text, p{  
    color:rgb(61, 118, 116)  
}
```

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(61, 118, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 118, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 19.772, 193.774 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(61, 118, 116) }
```

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

```
.border{ border-color:rgb(61, 118, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 118, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 118, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 118, 116);  
box-shadow:4px 4px 4px 4px rgb(61, 118,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 19.772, 193.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 118, 116) }
```

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

```
.background{ background-color: rgb(61, 118,  
116) }
```

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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