

Converting Colors

CIELCh(46, 19.012, 198.250)

Have a look what the booklet for
CIELCh(46, 19.012, 198.250)
contains.

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Color

CIELCh(46, 18.995, 197.355)

Conversions

Conversions Part 1

Format	Color
Hex	3F7676
RGB	63, 118, 118
RGB Percent	25%, 46%, 46%
CMY	0.7537, 0.5380, 0.5380
CMYK	0.47, 0.00, 0.00, 0.54
HSL	180°, 30%, 35%
HSV	180°, 47%, 46%
XYZ	11.7546, 15.2687, 19.4112
YIQ	101.5550, -32.7800, -11.6600

Conversions

Conversions Part 2

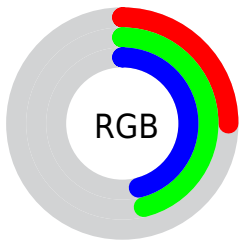
Format	Color
RYB	63, 91, 118
Decimal	4159094
CIELab	46.00, -18.13, -5.67
CIELCh	46, 18.995, 197.355
Yxy	15.2687, 0.2531, 0.3288
Android (android.graphics.Color)	4282349174 (0xFF3F7676)
YUV	101.5550, 8.1074, -33.8127
Hunter-Lab	39.0751, -14.6851, -2.1007

Details

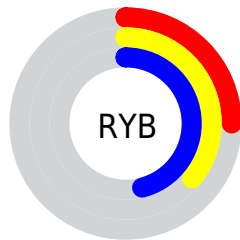
The CIELCh color **46, 18.995, 197.355** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 26.152, 24.068**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 18.818, 197.845**, and **26, 18.883, 198.519** is the 20% darker color. If you saturate the color by 10%, you get **46, 21.893, 197.048**, and if you desaturate by 10%, it is **47, 15.605, 197.716**.

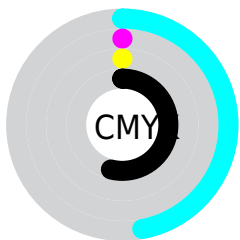
Distribution



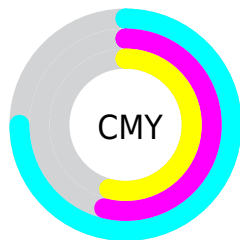
- Red (25%)
- Green (46%)
- Blue (46%)



- Red (25%)
- Yellow (36%)
- Blue (46%)



- Cyan (47%)
- Magenta (0%)
- Yellow (0%)
- Black (54%)





- Cyan (75%)
- Magenta (54%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 18.995, 197.355 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, 18.995, 197.355 by changing the saturation by 10% instead.


 46, 18.995,
197.355


 46, 18.995,
197.355


 100, 18.995,
197.355


 36, 18.995,
197.355

 66, 18.995,
197.355


 26, 18.995,
197.355

 76, 18.995,
197.355

 16, 18.995,
197.355


 86, 18.995,
197.355

 6, 18.995, 197.355

 96, 18.995,
197.355

 0, 18.995, 197.355

 46, 18.995,

 46, 18.995,

197.355

197.355

■ 46, 21.893,
197.048

■ 47, 15.605,
197.716

■ 45, 24.254,
196.802

■ 47, 11.784,
198.134

■ 45, 26.053,
196.618

■ 48, 7.600, 198.609

■ 45, 27.294,
196.491

■ 49, 3.123, 199.176

■ 50, 1.583, 19.348

■ 45, 28.082,
196.411

■ 51, 6.456, 20.082

■ 45, 28.326,
196.387

■ 52, 11.444, 20.681

■ 53, 16.505, 21.279

■ 55, 21.602, 21.879

Harmonies

Complementary

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



46, 18.995, 197.355



33, 26.152, 24.068

Rectangle

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



46, 18.995, 197.355



46, 18.995, 247.355



46, 18.995, 17.355



46, 18.995, 67.355

Sweetspot

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



46, 18.995, 197.353



62, 7.950, 198.729



45, 39.248, 140.946



31, 5.430, 198.639



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, 18.995, 197.353



58, 26.681, 197.028



37, 18.911, 263.427



24, 2.606, 199.025



46, 29.110, 196.387



89, 49.353, 196.387

Inverse Universe

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



35, 39.118, 326.788



43, 56.790, 327.238



41, 21.499, 69.860



23, 4.757, 324.890



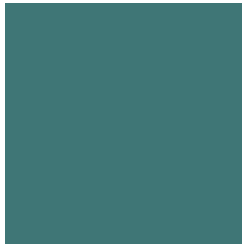
28, 67.130, 328.233



59, 113.811, 328.233

Previews

White Background



This preview shows how the CIELCh color 46, 18.995, 197.355 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, 18.995, 197.355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

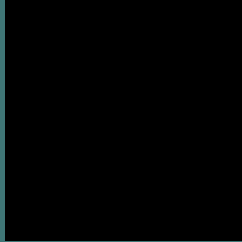
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 18.995, 197.355

Background



This preview shows how black text looks on a background with the CIELCh color 46, 18.995, 197.355.



This preview shows how white text looks on a background with the CIELCh color 46, 18.995, 197.355.

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, 18.995, 197.355

Protanopia
46, 2.423, 300.112

Deuteranopia
46, 8.823, 309.561



Tritanopia
46, 18.047, 215.040

Trichromacy



Original Color
46, 18.995, 197.355

Protanomaly
46, 7.778, 207.426

Deuteranomaly
46, 7.719, 243.102

Tritanomaly
46, 18.176, 208.963

Monochromacy



Original Color
46, 18.995, 197.355

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, 18.995, 197.355 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(63, 118, 118)` looks like.

```
.text, #text, p{  
    color:rgb(63, 118, 118)  
}
```

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(63, 118, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 118, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 18.995, 197.355 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(63, 118, 118) }
```

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

```
.border{ border-color:rgb(63, 118, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 118, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 118, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 118, 118);  
box-shadow:4px 4px 4px 4px rgb(63, 118,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 18.995, 197.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 118, 118) }
```

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

```
.background{ background-color: rgb(63, 118,  
118) }
```

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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