

Converting Colors

CIELCh(46, 20.696, 123.397)

Have a look what the booklet for
CIELCh(46, 20.696, 123.397)
contains.

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Color

CIELCh(46, 20.695, 123.395)

Conversions

Conversions Part 1

Format	Color
Hex	657250
RGB	101, 114, 80
RGB Percent	40%, 45%, 31%
CMY	0.6054, 0.5544, 0.6877
CMYK	0.11, 0.00, 0.30, 0.55
HSL	83°, 18%, 38%
HSV	83°, 30%, 45%
XYZ	12.7347, 15.2687, 9.7963
YIQ	106.2370, 3.1660, -13.3300

Conversions

Conversions Part 2

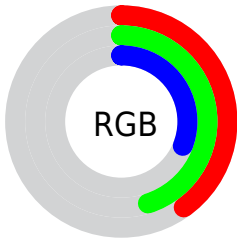
Format	Color
R_{YB}	80, 114, 93
Decimal	6648400
CIE _{Lab}	46.00, -11.39, 17.28
CIE _{LCh}	46, 20.695, 123.395
Yxy	15.2687, 0.3369, 0.4039
Android (android.graphics.Color)	4284838480 (0xFF657250)
YUV	106.2370, -12.9348, -4.5928
Hunter-Lab	39.0751, -10.2079, 12.4884

Details

The CIELCh color $46, 20.695, 123.395$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $36, 21.757, 306.504$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 21.066, 123.583$, and $26, 20.565, 122.917$ is the 20% darker color. If you saturate the color by 10%, you get $45, 27.454, 122.907$, and if you desaturate by 10%, it is $47, 13.815, 123.900$.

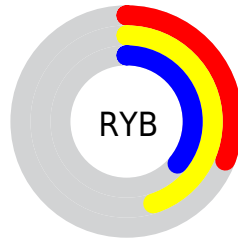
Distribution



Red (40%)

Green (45%)

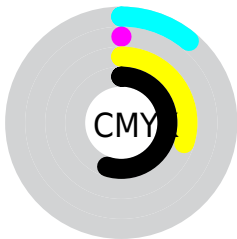
Blue (31%)



Red (31%)

Yellow (45%)

Blue (36%)

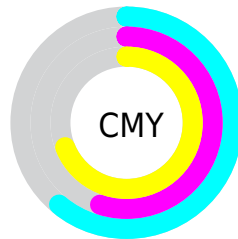


Cyan (11%)

Magenta (0%)

Yellow (30%)

Black (55%)



Cyan (61%)


Magenta (55%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 20.695, 123.395 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, 20.695, 123.395 by changing the saturation by 10% instead.


 46, 20.695,
123.395


 46, 20.695,
123.395


 100, 20.695,
123.395


 36, 20.695,
123.395

 66, 20.695,
123.395


 26, 20.695,
123.395

 76, 20.695,
123.395

 16, 20.695,
123.395

 86, 20.695,
123.395

 6, 20.695, 123.395

 96, 20.695,
123.395

 0, 20.695, 123.395

 46, 20.695,

 46, 20.695,

123.395

■ 45, 27.454,
122.907

■ 45, 33.995,
122.459

■ 45, 40.179,
122.102

■ 44, 45.813,
121.902

■ 44, 50.644,
121.951

■ 43, 54.396,
122.353

■ 43, 57.463,
122.921

■ 43, 57.493,
122.925

123.395

■ 47, 13.815,
123.900

■ 47, 6.877, 124.399

■ 48, 0.071, 304.143

■ 49, 6.997, 305.309

■ 49, 13.876,
305.733

■ 50, 20.690,
306.123

■ 51, 27.427,
306.481

■ 52, 34.077,
306.809

■ 53, 40.634,

Harmonies

Complementary

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



46, 20.695, 123.395



36, 21.757, 306.504

Rectangle

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



46, 20.695, 123.395



46, 20.695, 173.395



46, 20.695, 303.395



46, 20.695, 353.395

Sweetspot

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



46, 20.696, 123.397



61, 7.754, 124.432



41, 12.441, 57.297



31, 5.354, 124.375



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 20.696, 123.397



59, 30.805, 123.049



45, 23.680, 139.153



23, 3.863, 124.444



45, 59.766, 123.016



89, 102.782, 123.910

Inverse Universe

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



36, 21.757, 306.504



44, 32.823, 306.961



38, 23.872, 322.089



21, 3.924, 305.295



15, 72.839, 309.960



36, 125.244, 309.374

Previews

White Background



This preview shows how the CIELCh color 46, 20.695, 123.395 looks on a white background.

Color Contrast Check

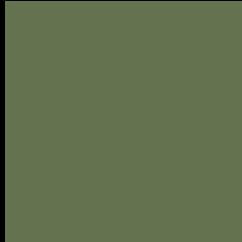
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.695, 123.395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

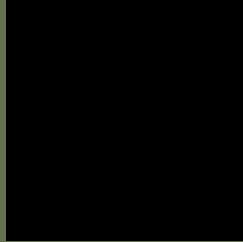
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

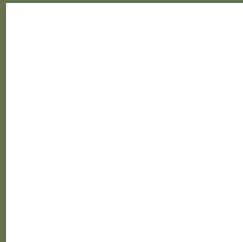
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 20.695, 123.395

Background



This preview shows how black text looks on a background with the CIELCh color 46, 20.695, 123.395.



This preview shows how white text looks on a background with the CIELCh color 46, 20.695, 123.395.

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, 20.695, 123.395

Protanopia

46, 18.595, 96.361

Deuteranopia

46, 17.159, 68.858



Tritanopia
46, 4.878, 276.822

Trichromacy



Original Color
46, 20.695, 123.395

Protanomaly
46, 18.753, 107.541

Deuteranomaly
46, 16.170, 90.130

Tritanomaly
46, 5.576, 140.697

Monochromacy



Original Color
46, 20.695, 123.395

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 8.006, 124.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 20.695, 123.395 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(101, 114, 80)` looks like.

```
.text, #text, p{  
    color:rgb(101, 114, 80)  
}
```

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(101, 114, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 114, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 20.695, 123.395 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(101, 114, 80) }
```

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

```
.border{ border-color:rgb(101, 114, 80) }
```

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

Here you see how a box with a 4 pixel rgb(101, 114, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 114, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 114, 80);  
box-shadow:4px 4px 4px 4px rgb(101, 114,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 20.695, 123.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 114, 80) }
```

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

```
.background{ background-color: rgb(101,  
114, 80) }
```

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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