

Converting Colors

CIELCh(46, 31.094, 105.813)

Have a look what the booklet for
CIELCh(46, 31.094, 105.813)
contains.

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Color

CIELCh(46, 31.020, 105.823)

Conversions

Conversions Part 1

Format	Color
Hex	70703A
RGB	112, 112, 58
RGB Percent	44%, 44%, 23%
CMY	0.5617, 0.5617, 0.7734
CMYK	0.00, 0.00, 0.48, 0.56
HSL	60°, 32%, 33%
HSV	60°, 48%, 44%
XYZ	13.1776, 15.2687, 6.2262
YIQ	105.8440, 17.3340, -16.7940

Conversions

Conversions Part 2

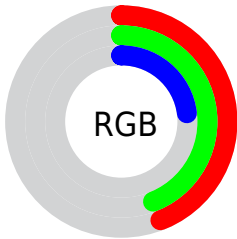
Format	Color
RYB	58, 112, 58
Decimal	7368762
CIELab	46.00, -8.46, 29.84
CIELCh	46, 31.020, 105.823
Yxy	15.2687, 0.3801, 0.4404
Android (android.graphics.Color)	4285558842 (0xFF70703A)
YUV	105.8440, -23.5871, 5.3988
Hunter-Lab	39.0751, -8.1845, 17.9054

Details

The CIELCh color $46, 31.020, 105.823$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $27, 35.093, 296.638$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 30.968, 106.101$, and $26, 30.817, 105.836$ is the 20% darker color. If you saturate the color by 10%, you get $46, 36.807, 105.016$, and if you desaturate by 10%, it is $46, 24.881, 106.694$.

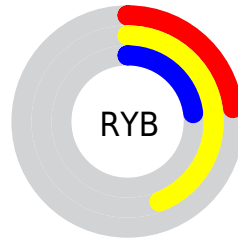
Distribution



Red (44%)

Green (44%)

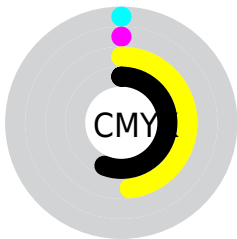
Blue (23%)



Red (23%)

Yellow (44%)

Blue (23%)

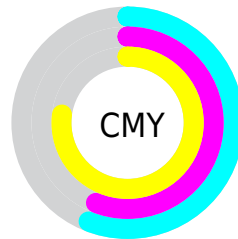


Cyan (0%)

Magenta (0%)

Yellow (48%)

Black (56%)



Cyan (56%)


Magenta (56%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 31.020, 105.823 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, 31.020, 105.823 by changing the saturation by 10% instead.


 46, 31.020,
105.823


 46, 31.020,
105.823


 100, 31.020,
105.823


 36, 31.020,
105.823

 66, 31.020,
105.823


 26, 31.020,
105.823

 76, 31.020,
105.823

 16, 31.020,
105.823

 86, 31.020,
105.823

 6, 31.020, 105.823

 96, 31.020,
105.823

 0, 31.020, 105.823

 46, 31.020,

 46, 31.020,

105.823

■ 46, 36.807,
105.016

■ 46, 42.048,
104.293

■ 46, 46.488,
103.691

■ 46, 49.846,
103.245

■ 46, 52.322,
102.921

■ 46, 52.755,
102.864

105.823

■ 46, 24.881,
106.694

■ 46, 18.521,
107.596

■ 47, 12.031,
108.512

■ 47, 5.469, 109.425

■ 47, 1.126, 290.376

■ 48, 7.730, 291.230

■ 48, 14.322,
292.085

■ 48, 20.892,
292.908

■ 49, 27.429,

Harmonies

Complementary

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



46, 31.020, 105.823



27, 35.093, 296.638

Rectangle

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



46, 31.020, 105.823



46, 31.020, 155.823



46, 31.020, 285.823



46, 31.020, 335.823

Sweetspot

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



46, 31.021, 105.826



60, 11.427, 108.873



31, 26.015, 24.302



31, 7.947, 108.716



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, 31.021, 105.826



59, 45.298, 104.921



44, 33.494, 126.935



23, 3.716, 109.362



49, 55.449, 102.865



95, 94.699, 102.865

Inverse Universe

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



27, 35.093, 296.638



30, 53.384, 298.833



30, 35.817, 311.384



21, 3.792, 291.063



12, 76.564, 306.288



31, 130.762, 306.288

Previews

White Background



This preview shows how the CIELCh color 46, 31.020, 105.823 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, 31.020, 105.823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

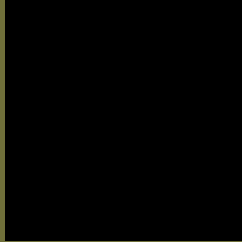
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

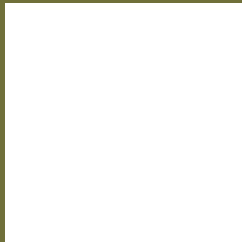
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 31.020, 105.823

Background



This preview shows how black text looks on a background with the CIELCh color 46, 31.020, 105.823.



This preview shows how white text looks on a background with the CIELCh color 46, 31.020, 105.823.

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, 31.020, 105.823

Protanopia

46, 30.547, 96.068

Deuteranopia

46, 29.606, 78.521



Tritanopia
46, 7.552, 335.292

Trichromacy



Original Color
46, 31.020, 105.823

Protanomaly
46, 30.752, 99.675

Deuteranomaly
46, 29.341, 89.209

Tritanomaly
46, 8.638, 82.247

Monochromacy



Original Color
46, 31.020, 105.823

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 11.833, 108.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 31.020, 105.823 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(112, 112, 58)` looks like.

```
.text, #text, p{  
    color:rgb(112, 112, 58)  
}
```

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(112, 112, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 112, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 31.020, 105.823 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(112, 112, 58) }
```

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

```
.border{ border-color:rgb(112, 112, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 112, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 112, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 112, 58);  
box-shadow:4px 4px 4px 4px rgb(112, 112,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 31.020, 105.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 112, 58) }
```

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

```
.background{ background-color: rgb(112,  
112, 58) }
```

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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