

Converting Colors

CIELCh(30, 46.346, 59.636)

Have a look what the booklet for
CIELCh(30, 46.346, 59.636) contains.

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Color

CIELCh(30, 46.277, 59.557)

Conversions

Conversions Part 1

Format	Color
Hex	723602
RGB	114, 54, 2
RGB Percent	45%, 21%, 1%
CMY	0.5525, 0.7879, 0.9918
CMYK	0.00, 0.53, 0.98, 0.55
HSL	28°, 96%, 23%
HSV	28°, 98%, 45%
XYZ	8.2883, 6.2359, 0.8269
YIQ	66.0120, 52.4520, -3.4520

Conversions

Conversions Part 2

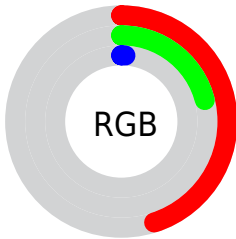
Format	Color
R_{YB}	114, 99, 2
Decimal	7484930
CIE Lab	30.00, 23.45, 39.90
CIE LCh	30, 46.277, 59.557
Yxy	6.2359, 0.5399, 0.4062
Android (android.graphics.Color)	4285675010 (0xFF723602)
YUV	66.0120, -31.5579, 42.0855
Hunter-Lab	24.9718, 15.5444, 15.5170

Details

The CIELCh color **30, 46.277, 59.557** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **26, 35.028, 277.390**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 46.063, 59.648**, and **10, 28.341, 33.294** is the 20% darker color. If you saturate the color by 10%, you get **30, 47.133, 59.345**, and if you desaturate by 10%, it is **32, 41.781, 61.102**.

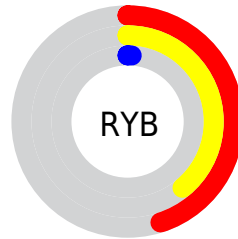
Distribution



Red (45%)

Green (21%)

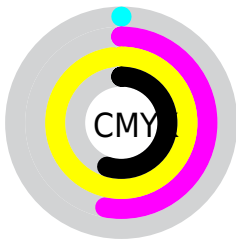
Blue (1%)



Red (45%)

Yellow (39%)

Blue (1%)

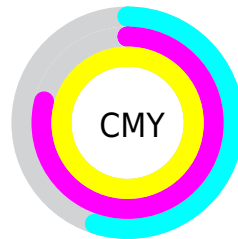


Cyan (0%)

Magenta (53%)

Yellow (98%)

Black (55%)



Cyan (55%)

Magenta (79%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 46.277, 59.557 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 30, 46.277, 59.557 by changing the saturation by 10% instead.

■ 30, 46.277, 59.557

■ 30, 46.277, 59.557

■ 100, 46.277,
59.557

■ 20, 46.277, 59.557

■ 50, 46.277, 59.557

■ 10, 46.277, 59.557

■ 60, 46.277, 59.557

■ 0, 46.277, 59.557

■ 70, 46.277, 59.557

■ 80, 46.277, 59.557

■ 90, 46.277, 59.557

■ 30, 46.277, 59.557

■ 30, 46.277, 59.557

■ 30, 47.133, 59.345

■ 32, 41.781, 61.102

■ 33, 36.945, 62.583

■ 35, 31.760, 63.818

■ 37, 26.545, 64.956

■ 38, 21.462, 66.067

■ 40, 16.580, 67.177

■ 42, 11.926, 68.289

■ 44, 7.498, 69.396

■ 46, 3.286, 70.467

Harmonies

Complementary

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



30, 46.277, 59.557



26, 35.028, 277.390

Rectangle

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



30, 46.277, 59.557



30, 46.277, 109.557



30, 46.277, 239.557



30, 46.277, 289.557

Sweetspot

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



30, 46.276, 59.560



54, 15.249, 68.113



24, 47.359, 355.153



26, 10.484, 67.747



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



30, 46.276, 59.560



39, 57.449, 58.461



45, 51.233, 99.827



22, 2.237, 70.383



31, 49.021, 59.229



63, 85.026, 56.999

Inverse Universe

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



26, 35.028, 277.390



33, 44.026, 279.423



12, 70.152, 304.975



22, 2.183, 252.579



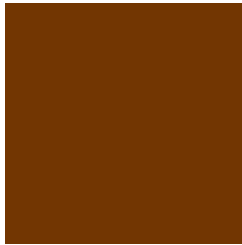
27, 37.115, 278.371



55, 66.781, 281.252

Previews

White Background



This preview shows how the CIELCh color 30, 46.277, 59.557 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 30, 46.277, 59.557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30, 46.277, 59.557

Background



This preview shows how black text looks on a background with the CIELCh color 30, 46.277, 59.557.



This preview shows how white text looks on a background with the CIELCh color 30, 46.277, 59.557.

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

30, 46.277, 59.557

Protanopia

30, 35.458, 95.834

Deuteranopia

30, 39.475, 85.440



Tritanopia
30, 31.680, 21.697

Trichromacy



Original Color
30, 46.277, 59.557

Protanomaly
30, 36.979, 79.411

Deuteranomaly
30, 40.758, 74.534

Tritanomaly
30, 35.664, 41.015

Monochromacy



Original Color
30, 46.277, 59.557

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 16.479, 67.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 46.277, 59.557 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(114, 54, 2)` looks like.

```
.text, #text, p{  
  color:rgb(114, 54, 2)  
}
```

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(114, 54, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 54, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 46.277, 59.557 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(114, 54, 2) }
```

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

```
.border{ border-color:rgb(114, 54, 2) }
```

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

Here you see how a box with a 4 pixel rgb(114, 54, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 54, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 54, 2);  
box-shadow:4px 4px 4px 4px rgb(114, 54, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 46.277, 59.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 54, 2) }
```

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

```
.background{ background-color: rgb(114, 54,  
2) }
```

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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