

# Converting Colors

CIELCh(30, 35.891, 60.787)

Have a look what the booklet for  
CIELCh(30, 35.891, 60.787) contains.

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**Color**

**CIELCh(30, 35.807, 60.872)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6A3B15
RGB	106, 59, 21
RGB Percent	42%, 23%, 8%
CMY	0.5846, 0.7688, 0.9179
CMYK	0.00, 0.44, 0.80, 0.58
HSL	27°, 67%, 25%
HSV	27°, 80%, 42%
XYZ	7.6315, 6.2359, 1.5082
YIQ	68.7210, 40.2100, -1.8540

# Conversions

## Conversions Part 2

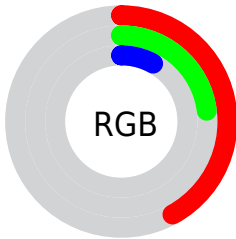
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	106, 90, 21
Decimal	6961941
CIE Lab	30.00, 17.43, 31.28
CIE LCh	30, 35.807, 60.872
Yxy	6.2359, 0.4963, 0.4056
Android (android.graphics.Color)	4285152021 (0xFF6A3B15)
YUV	68.7210, -23.5265, 32.6937
Hunter-Lab	24.9718, 10.8500, 13.8994

# Details

The CIELCh color **30, 35.807, 60.872** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **28, 26.643, 267.554**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 35.881, 61.446**, and **10, 23.831, 41.270** is the 20% darker color. If you saturate the color by 10%, you get **28, 40.378, 59.446**, and if you desaturate by 10%, it is **32, 30.878, 62.038**.

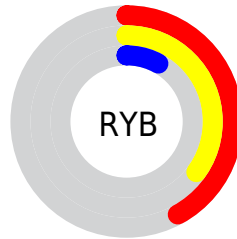
# Distribution



Red (42%)

Green (23%)

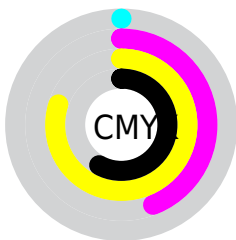
Blue (8%)



Red (42%)

Yellow (35%)

Blue (8%)

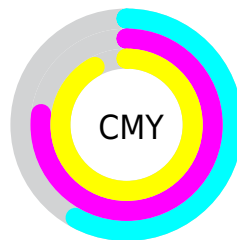


Cyan (0%)

Magenta (44%)

Yellow (80%)

Black (58%)



Cyan (58%)

Magenta (77%)

Yellow (92%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 35.807, 60.872 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, 35.807, 60.872 by changing the saturation by 10% instead.



 30, 35.807, 60.872

 30, 35.807, 60.872

 100, 35.807,  
60.872

 20, 35.807, 60.872

 50, 35.807, 60.872

 10, 35.807, 60.872

 60, 35.807, 60.872

 0, 35.807, 60.872

 70, 35.807, 60.872

 80, 35.807, 60.872

 90, 35.807, 60.872

 30, 35.807, 60.872

 30, 35.807, 60.872

 28, 40.378, 59.446

 32, 30.878, 62.038

27, 44.542, 58.066

33, 25.915, 63.100

35, 21.078, 64.138

37, 16.440, 65.181

39, 12.025, 66.234

41, 7.835, 67.292

43, 3.859, 68.330

45, 0.080, 66.232

47, 3.521, 250.588

# Harmonies

# Complementary

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



30, 35.807, 60.872



28, 26.643, 267.554

# Rectangle

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



30, 35.807, 60.872



30, 35.807, 110.872



30, 35.807, 240.872



30, 35.807, 290.872

# Sweetspot

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



30, 35.806, 60.875



51, 11.666, 66.823



24, 41.710, 349.313



25, 8.010, 66.546



79, 0.010, 296.813



29, 0.005, 296.813



# Same Dimension

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



30, 35.806, 60.875



36, 52.736, 57.934



42, 43.094, 99.949



21, 2.132, 68.455



30, 48.497, 57.943



62, 85.083, 55.734





# Inverse Universe

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



28, 26.643, 267.554



33, 38.641, 275.411



15, 54.342, 301.052



21, 2.077, 250.586



27, 35.266, 276.254



56, 63.915, 279.286



# Previews

## White Background



This preview shows how the CIELCh color 30, 35.807, 60.872 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, 35.807, 60.872 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

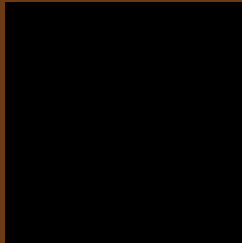
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 30, 35.807, 60.872

## Background



This preview shows how black text looks on a background with the CIELCh color 30, 35.807, 60.872.



This preview shows how white text looks on a background with the CIELCh color 30, 35.807, 60.872.

# 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, 35.807, 60.872

### Protanopia

30, 28.912, 95.373

### Deuteranopia

30, 32.497, 83.206



**Tritanopia**  
30, 25.259, 18.857



# Trichromacy



**Original Color**  
30, 35.807, 60.872

**Protanomaly**  
30, 29.711, 81.759

**Deuteranomaly**  
30, 33.152, 74.632

**Tritanomaly**  
30, 27.244, 38.289

# Monochromacy



**Original Color**  
30, 35.807, 60.872

**Achromatopsia**  
29, 0.005, 296.813

**Achromatomaly**  
29, 11.904, 64.199

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 30, 35.807, 60.872 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(106, 59, 21)` looks like.

```
.text, #text, p{  
    color:rgb(106, 59, 21)  
}
```

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(106, 59, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 59, 21) }
```

## Border

The CSS property to change the border of an element to CIELCh 30, 35.807, 60.872 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(106, 59, 21) }
```

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

```
.border{ border-color:rgb(106, 59, 21) }
```

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

Here you see how a box with a 4 pixel rgb(106, 59, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 59, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 59, 21);  
box-shadow:4px 4px 4px 4px rgb(106, 59,  
21) }
```

# Background

The CSS property to change the background color of an element to CIELCh 30, 35.807, 60.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 59, 21) }
```

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

```
.background{ background-color: rgb(106, 59,  
21) }
```

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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