

Converting Colors

CIELCh(30, 56.462, 40.777)

Have a look what the booklet for
CIELCh(30, 56.462, 40.777) contains.

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Color

CIELCh(30, 56.358, 41.062)

Conversions

Conversions Part 1

Format	Color
Hex	87200D
RGB	135, 32, 13
RGB Percent	53%, 13%, 5%
CMY	0.4699, 0.8738, 0.9485
CMYK	0.00, 0.76, 0.90, 0.47
HSL	9°, 82%, 29%
HSV	9°, 90%, 53%
XYZ	10.6129, 6.2359, 1.0294
YIQ	60.6310, 67.4870, 15.9270

Conversions

Conversions Part 2

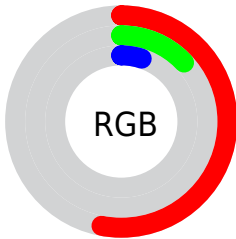
Format	Color
R_{YB}	135, 36, 13
Decimal	8855565
CIE Lab	30.00, 42.49, 37.02
CIE LCh	30, 56.358, 41.062
Yxy	6.2359, 0.5936, 0.3488
Android (android.graphics.Color)	4287045645 (0xFF87200D)
YUV	60.6310, -23.4821, 65.2216
Hunter-Lab	24.9718, 32.1611, 15.0362

Details

The CIELCh color **30, 56.358, 41.062** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **45, 26.608, 222.676**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 56.200, 41.169**, and **13, 39.430, 31.373** is the 20% darker color. If you saturate the color by 10%, you get **29, 61.757, 42.109**, and if you desaturate by 10%, it is **32, 49.619, 39.670**.

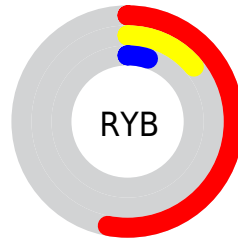
Distribution



Red (53%)

Green (13%)

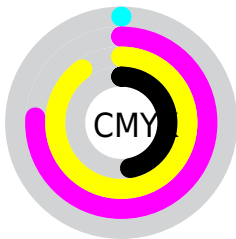
Blue (5%)



Red (53%)

Yellow (14%)

Blue (5%)

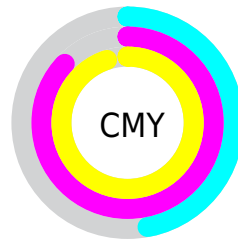


Cyan (0%)

Magenta (76%)

Yellow (90%)

Black (47%)



Cyan (47%)

Magenta (87%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 56.358, 41.062 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, 56.358, 41.062 by changing the saturation by 10% instead.

■ 30, 56.358, 41.062

■ 30, 56.358, 41.062

■ 100, 56.358,
41.062

■ 20, 56.358, 41.062

■ 50, 56.358, 41.062

■ 10, 56.358, 41.062

■ 60, 56.358, 41.062

■ 0, 56.358, 41.062

■ 70, 56.358, 41.062

■ 80, 56.358, 41.062

■ 90, 56.358, 41.062

■ 30, 56.358, 41.062

■ 30, 56.358, 41.062

■ 29, 61.757, 42.109

■ 32, 49.619, 39.670

■ 34, 42.424, 38.226

■ 37, 35.265, 36.997

■ 40, 28.377, 36.047

■ 43, 21.871, 35.362

■ 46, 15.796, 34.900

■ 49, 10.160, 34.615

■ 53, 4.949, 34.445

■ 56, 0.132, 31.375

Harmonies

Complementary

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



30, 56.358, 41.062



45, 26.608, 222.676

Rectangle

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



30, 56.358, 41.062



30, 56.358, 91.062



30, 56.358, 221.062



30, 56.358, 271.062

Sweetspot

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



30, 56.356, 41.064



60, 17.277, 34.809



31, 62.729, 334.388



30, 11.873, 34.909



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



30, 56.356, 41.064



38, 76.328, 42.371



43, 48.377, 76.880



27, 2.744, 34.427



28, 60.765, 42.041



0, 1.232, 34.503

Inverse Universe

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



45, 26.608, 222.676



57, 32.973, 225.844



26, 51.681, 291.320



28, 2.593, 214.671



43, 26.814, 225.051



1, 1.232, 214.522

Previews

White Background



This preview shows how the CIELCh color 30, 56.358, 41.062 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, 56.358, 41.062 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, 56.358, 41.062

Background



This preview shows how black text looks on a background with the CIELCh color 30, 56.358, 41.062.



This preview shows how white text looks on a background with the CIELCh color 30, 56.358, 41.062.

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, 56.358, 41.062

Protanopia

31, 29.900, 95.550

Deuteranopia

31, 39.828, 85.636



Tritanopia
30, 51.424, 31.627

Trichromacy



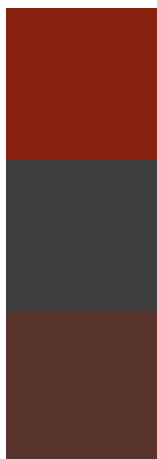
Original Color
30, 56.358, 41.062

Protanomaly
29, 34.714, 63.348

Deuteranomaly
29, 42.277, 63.076

Tritanomaly
30, 52.961, 35.347

Monochromacy



Original Color
30, 56.358, 41.062

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 19.579, 36.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 56.358, 41.062 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(135, 32, 13)` looks like.

```
.text, #text, p{  
    color:rgb(135, 32, 13)  
}
```

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(135, 32, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 32, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 56.358, 41.062 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(135, 32, 13) }
```

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

```
.border{ border-color:rgb(135, 32, 13) }
```

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

Here you see how a box with a 4 pixel rgb(135, 32, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 32, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 32, 13);  
box-shadow:4px 4px 4px 4px rgb(135, 32,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 56.358, 41.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 32, 13) }
```

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

```
.background{ background-color: rgb(135, 32,  
13) }
```

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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