

Converting Colors

CIELCh(30, 51.053, 32.492)

Have a look what the booklet for
CIELCh(30, 51.053, 32.492) contains.

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Color

CIELCh(30, 51.256, 32.914)

Conversions

Conversions Part 1

Format	Color
Hex	87201E
RGB	135, 32, 30
RGB Percent	53%, 13%, 12%
CMY	0.4718, 0.8756, 0.8832
CMYK	0.00, 0.76, 0.78, 0.47
HSL	1°, 64%, 32%
HSV	1°, 78%, 53%
XYZ	10.6838, 6.2359, 1.8546
YIQ	62.5690, 62.0300, 21.2140

Conversions

Conversions Part 2

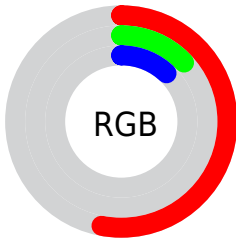
Format	Color
RYB	135, 32, 30
Decimal	8855582
CIELab	30.00, 43.03, 27.85
CIELCh	30, 51.256, 32.914
Yxy	6.2359, 0.5691, 0.3322
Android (android.graphics.Color)	4287045662 (0xFF87201E)
YUV	62.5690, -16.0565, 63.5220
Hunter-Lab	24.9718, 32.6678, 13.0769

Details

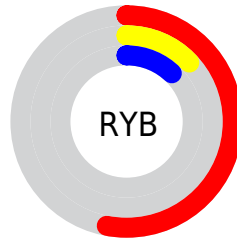
The CIELCh color **30, 51.256, 32.914** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **50, 28.422, 198.931**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 51.204, 33.096**, and **13, 39.883, 31.626** is the 20% darker color. If you saturate the color by 10%, you get **28, 57.774, 36.138**, and if you desaturate by 10%, it is **32, 44.143, 29.959**.

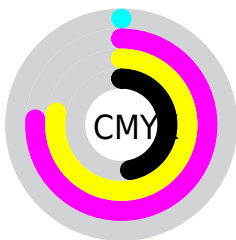
Distribution



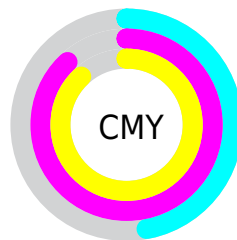
- Red (53%)
- Green (13%)
- Blue (12%)



- Red (53%)
- Yellow (13%)
- Blue (12%)



- Cyan (0%)
- Magenta (76%)
- Yellow (78%)
- Black (47%)



- Cyan (47%)
- Magenta (88%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 51.256, 32.914 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, 51.256, 32.914 by changing the saturation by 10% instead.


 30, 51.256, 32.914

 30, 51.256, 32.914

 100, 51.256,
32.914

 20, 51.256, 32.914

 50, 51.256, 32.914

 10, 51.256, 32.914

 60, 51.256, 32.914

 0, 51.256, 32.914

 70, 51.256, 32.914

 80, 51.256, 32.914

 90, 51.256, 32.914

 30, 51.256, 32.914

 30, 51.256, 32.914

 28, 57.774, 36.138

 32, 44.143, 29.959

27, 62.731, 38.654

35, 36.857, 27.509

27, 63.700, 39.110

38, 29.651, 25.574

42, 22.701, 24.075

45, 16.116, 22.922

49, 9.952, 22.027

53, 4.222, 21.294

57, 1.088, 201.249

61, 6.009, 200.530

Harmonies

Complementary

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



30, 51.256, 32.914



50, 28.422, 198.931

Rectangle

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



30, 51.256, 32.914



30, 51.256, 82.914



30, 51.256, 212.914



30, 51.256, 262.914

Sweetspot

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



30, 51.254, 32.916



60, 16.264, 22.504



33, 64.450, 328.463



30, 11.483, 22.805



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, 51.254, 32.916



37, 74.978, 38.232



41, 42.093, 67.192



26, 2.995, 21.382



26, 61.862, 38.863



0, 0.694, 20.962

Inverse Universe

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



50, 28.422, 198.931



64, 36.601, 199.130



34, 35.279, 275.375



27, 2.832, 200.625



48, 29.654, 199.198



1, 0.694, 200.979

Previews

White Background



This preview shows how the CIELCh color 30, 51.256, 32.914 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, 51.256, 32.914 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, 51.256, 32.914

Background



This preview shows how black text looks on a background with the CIELCh color 30, 51.256, 32.914.

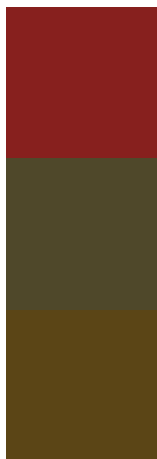


This preview shows how white text looks on a background with the CIELCh color 30, 51.256, 32.914.

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, 51.256, 32.914

Protanopia

31, 19.146, 96.076

Deuteranopia

31, 31.094, 82.701



Tritanopia
30, 50.918, 31.367

Trichromacy



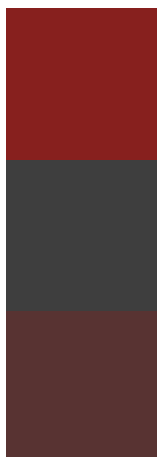
Original Color
30, 51.256, 32.914

Protanomaly
29, 25.701, 49.966

Deuteranomaly
29, 34.991, 54.147

Tritanomaly
30, 51.198, 31.969

Monochromacy



Original Color
30, 51.256, 32.914

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 18.303, 25.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 51.256, 32.914 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(135, 32, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 32, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 51.256, 32.914 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, 30) }
```

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

```
.border{ border-color:rgb(135, 32, 30) }
```

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, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 32, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 32, 30);  
box-shadow:4px 4px 4px 4px rgb(135, 32,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 51.256, 32.914 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, 30) }
```

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

```
.background{ background-color: rgb(135, 32,  
30) }
```

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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