

Converting Colors

CIELCh(32, 34.825, 51.510)

Have a look what the booklet for
CIELCh(32, 34.825, 51.510) contains.

CIELCh(32, 35.020, 50.914)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(32, 35.020, 50.914)

Conversions

Conversions Part 1

Format	Color
Hex	743C21
RGB	116, 60, 33
RGB Percent	45%, 24%, 13%
CMY	0.5444, 0.7641, 0.8700
CMYK	0.00, 0.48, 0.71, 0.54
HSL	20°, 56%, 29%
HSV	20°, 71%, 46%
XYZ	9.1285, 7.0852, 2.3363
YIQ	73.6660, 42.0430, 3.4750

Conversions

Conversions Part 2

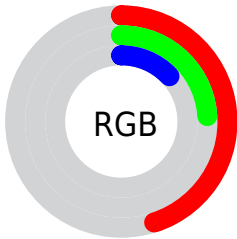
Format	Color
RYB	116, 73, 33
Decimal	7617569
CIELab	32.00, 22.08, 27.18
CIELCh	32, 35.020, 50.914
Yxy	7.0852, 0.4921, 0.3819
Android (android.graphics.Color)	4285807649 (0xFF743C21)
YUV	73.6660, -20.0483, 37.1269
Hunter-Lab	26.6180, 14.6342, 13.4285

Details

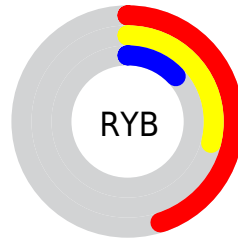
The CIELCh color **32, 35.020, 50.914** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **36, 22.470, 247.021**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 35.289, 50.792**, and **12, 29.057, 39.320** is the 20% darker color. If you saturate the color by 10%, you get **30, 40.883, 50.594**, and if you desaturate by 10%, it is **34, 29.209, 51.217**.

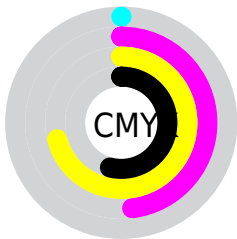
Distribution



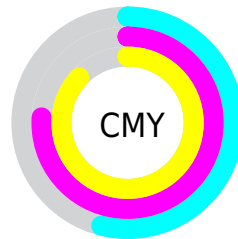
- Red (45%)
- Green (24%)
- Blue (13%)



- Red (45%)
- Yellow (29%)
- Blue (13%)



- Cyan (0%)
- Magenta (48%)
- Yellow (71%)
- Black (54%)



- Cyan (54%)
- Magenta (76%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 35.020, 50.914 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 32, 35.020, 50.914 by changing the saturation by 10% instead.

■ 32, 35.020, 50.914

■ 32, 35.020, 50.914

■ 100, 35.020,
50.914

■ 22, 35.020, 50.914

■ 52, 35.020, 50.914

■ 12, 35.020, 50.914

■ 62, 35.020, 50.914

■ 2, 35.020, 50.914

■ 72, 35.020, 50.914

■ 0, 35.020, 50.914

■ 82, 35.020, 50.914

■ 92, 35.020, 50.914

■ 32, 35.020, 50.914

■ 32, 35.020, 50.914

■ 30, 40.883, 50.594

■ 34, 29.209, 51.217

28, 46.400, 50.020

36, 23.638, 51.580

27, 50.633, 49.440

39, 18.379, 52.031

41, 13.454, 52.567

43, 8.857, 53.171

46, 4.569, 53.809

49, 0.563, 54.009

51, 3.189, 235.441

54, 6.714, 236.141

Harmonies

Complementary

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



32, 35.020, 50.914



36, 22.470, 247.021

Rectangle

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



32, 35.020, 50.914



32, 35.020, 100.914



32, 35.020, 230.914



32, 35.020, 280.914

Sweetspot

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



32, 35.019, 50.917



56, 10.709, 53.167



28, 44.607, 340.963



28, 7.361, 53.033



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



32, 35.019, 50.917



38, 53.830, 50.262



43, 39.098, 93.333



23, 2.241, 53.959



29, 52.946, 49.497



58, 92.479, 48.050

Inverse Universe

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



36, 22.470, 247.021



43, 31.098, 253.320



23, 44.931, 294.361



24, 2.147, 235.525



33, 29.103, 258.687



66, 50.851, 261.742

Previews

White Background



This preview shows how the CIE LCh color 32, 35.020, 50.914 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 32, 35.020, 50.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

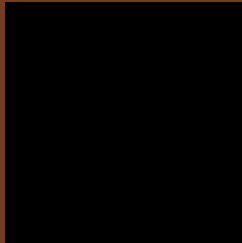
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 35.020, 50.914

Background



This preview shows how black text looks on a background with the CIELCh color 32, 35.020, 50.914.



This preview shows how white text looks on a background with the CIELCh color 32, 35.020, 50.914.

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

32, 35.020, 50.914

Protanopia

32, 23.760, 96.122

Deuteranopia

32, 28.490, 81.676



Tritanopia
32, 28.866, 20.214

Trichromacy



Original Color
32, 35.020, 50.914

Protanomaly
32, 25.505, 74.444

Deuteranomaly
32, 29.738, 69.131

Tritanomaly
32, 29.835, 32.786

Monochromacy



Original Color
32, 35.020, 50.914

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 11.602, 53.386

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 32, 35.020, 50.914 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(116, 60, 33)` looks like.

```
.text, #text, p{  
    color:rgb(116, 60, 33)  
}
```

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(116, 60, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 60, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 35.020, 50.914 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(116, 60, 33) }
```

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

```
.border{ border-color:rgb(116, 60, 33) }
```

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

Here you see how a box with a 4 pixel rgb(116, 60, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 60, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 60, 33);  
box-shadow:4px 4px 4px 4px rgb(116, 60,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 35.020, 50.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 60, 33) }
```

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

```
.background{ background-color: rgb(116, 60,  
33) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor