

Converting Colors

CIELCh(50, 32.321, 96.781)

Have a look what the booklet for
CIELCh(50, 32.321, 96.781) contains.

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Color

CIELCh(50, 32.321, 96.781)

Conversions

Conversions Part 1

Format	Color
Hex	82773F
RGB	130, 119, 63
RGB Percent	51%, 47%, 25%
CMY	0.4887, 0.5319, 0.7516
CMYK	0.00, 0.08, 0.51, 0.49
HSL	50°, 35%, 38%
HSV	50°, 51%, 51%
XYZ	16.8112, 18.4187, 7.4218
YIQ	115.9050, 24.5320, -15.0840

Conversions

Conversions Part 2

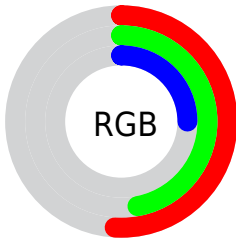
Format	Color
R_{YB}	76, 130, 63
Decimal	8550207
CIE Lab	50.00, -3.82, 32.09
CIE LCh	50, 32.321, 96.781
Yxy	18.4187, 0.3942, 0.4318
Android (android.graphics.Color)	4286740287 (0xFF82773F)
YUV	115.9050, -26.0822, 12.3613
Hunter-Lab	42.9170, -5.1834, 19.7887

Details

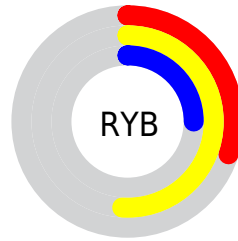
The CIELCh color **50, 32.321, 96.781** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **33, 35.230, 290.511**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 32.317, 97.058**, and **30, 32.606, 96.576** is the 20% darker color. If you saturate the color by 10%, you get **49, 38.150, 95.652**, and if you desaturate by 10%, it is **51, 26.193, 97.918**.

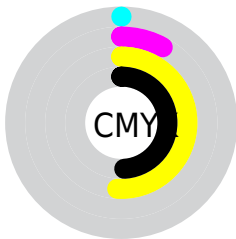
Distribution



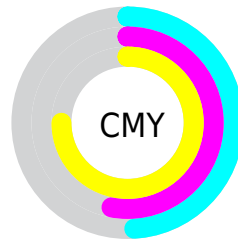
- Red (51%)
- Green (47%)
- Blue (25%)



- Red (30%)
- Yellow (51%)
- Blue (25%)



- Cyan (0%)
- Magenta (8%)
- Yellow (51%)
- Black (49%)



- Cyan (49%)
- Magenta (53%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 32.321, 96.781 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 50, 32.321, 96.781 by changing the saturation by 10% instead.

■ 50, 32.321, 96.781

■ 50, 32.321, 96.781

■ 100, 32.321,
96.781

■ 40, 32.321, 96.781

■ 70, 32.321, 96.781

■ 30, 32.321, 96.781

■ 80, 32.321, 96.781

■ 20, 32.321, 96.781

■ 90, 32.321, 96.781

■ 10, 32.321, 96.781

■ 0, 32.321, 96.781

■ 50, 32.321, 96.781

■ 50, 32.321, 96.781

■ 49, 38.150, 95.652

■ 51, 26.193, 97.918

■ 48, 43.442, 94.527

■ 52, 19.912, 99.046

■ 48, 47.856, 93.404

■ 53, 13.569,

■ 47, 50.976, 92.267 100.157

■ 47, 52.994, 91.294

■ 53, 7.217, 101.242

■ 54, 0.888, 102.204

■ 55, 5.402, 283.363

■ 56, 11.643,
284.340

■ 57, 17.829,
285.283

■ 58, 23.959,
286.183

Harmonies

Complementary

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



50, 32.321, 96.781



33, 35.230, 290.511

Rectangle

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



50, 32.321, 96.781



50, 32.321, 146.781



50, 32.321, 276.781



50, 32.321, 326.781

Sweetspot

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



50, 32.322, 96.784



67, 11.694, 100.821



36, 30.761, 12.637



35, 7.944, 100.631



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 32.322, 96.784



62, 47.291, 95.430



51, 38.671, 120.394



28, 3.611, 101.483



46, 52.898, 91.297



1, 0.865, 102.462

Inverse Universe

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



33, 35.230, 290.511



38, 53.452, 293.358



32, 42.899, 306.535



26, 3.659, 283.499



16, 71.892, 302.808



0, 0.866, 282.466

Previews

White Background



This preview shows how the CIELCh color 50, 32.321, 96.781 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 × Fail

Black Background



This preview shows how the CIELCh color 50, 32.321, 96.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

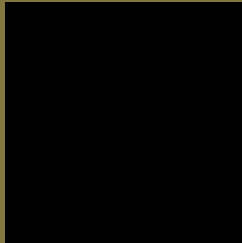
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 32.321, 96.781

Background



This preview shows how black text looks on a background with the CIELCh color 50, 32.321, 96.781.



This preview shows how white text looks on a background with the CIELCh color 50, 32.321, 96.781.

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

50, 32.321, 96.781

Protanopia

50, 32.408, 95.965

Deuteranopia

50, 32.166, 77.449



Tritanopia
50, 10.731, 351.479

Trichromacy



Original Color
50, 32.321, 96.781

Protanomaly
50, 32.408, 95.965

Deuteranomaly
50, 31.801, 84.484

Tritanomaly
50, 11.643, 64.212

Monochromacy



Original Color
50, 32.321, 96.781

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 11.788, 100.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 32.321, 96.781 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(130, 119, 63)` looks like.

```
.text, #text, p{  
    color:rgb(130, 119, 63)  
}
```

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(130, 119, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 119, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 32.321, 96.781 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(130, 119, 63) }
```

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

```
.border{ border-color:rgb(130, 119, 63) }
```

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

Here you see how a box with a 4 pixel rgb(130, 119, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 119, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 119, 63);  
box-shadow:4px 4px 4px 4px rgb(130, 119,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 32.321, 96.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 119, 63) }
```

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

```
.background{ background-color: rgb(130,  
119, 63) }
```

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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