

Converting Colors

CIELCh(45, 13.783, 52.683)

Have a look what the booklet for
CIELCh(45, 13.783, 52.683) contains.

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Color

CIELCh(45, 13.723, 51.581)

Conversions

Conversions Part 1

Format	Color
Hex	7F6559
RGB	127, 101, 89
RGB Percent	50%, 40%, 35%
CMY	0.5019, 0.6039, 0.6510
CMYK	0.00, 0.20, 0.30, 0.50
HSL	19°, 18%, 42%
HSV	19°, 30%, 50%
XYZ	15.2104, 14.5417, 11.4570
YIQ	107.4060, 19.3480, 1.7800

Conversions

Conversions Part 2

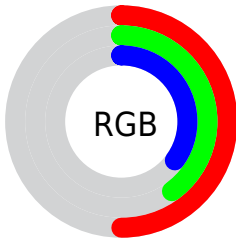
Format	Color
R _Y B	127, 107, 89
Decimal	8349017
CIE Lab	45.00, 8.53, 10.75
CIE LCh	45, 13.723, 51.581
Yxy	14.5417, 0.3691, 0.3529
Android (android.graphics.Color)	4286539097 (0xFF7F6559)
YUV	107.4060, -9.0742, 17.1839
Hunter-Lab	38.1336, 4.4645, 8.8802

Details

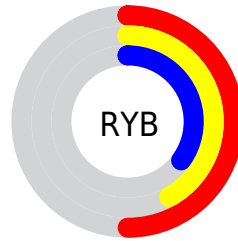
The CIELCh color **45, 13.723, 51.581** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **47, 11.618, 236.545**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 13.564, 52.089**, and **25, 13.957, 51.824** is the 20% darker color. If you saturate the color by 10%, you get **42, 18.995, 51.089**, and if you desaturate by 10%, it is **48, 8.810, 52.160**.

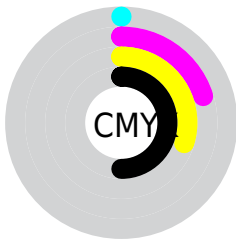
Distribution



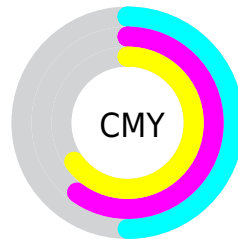
- Red (50%)
- Green (40%)
- Blue (35%)



- Red (50%)
- Yellow (42%)
- Blue (35%)



- Cyan (0%)
- Magenta (20%)
- Yellow (30%)
- Black (50%)



- Cyan (50%)
- Magenta (60%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 13.723, 51.581 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 45, 13.723, 51.581 by changing the saturation by 10% instead.

■ 45, 13.723, 51.581

■ 45, 13.723, 51.581

■ 100, 13.723,
51.581

■ 35, 13.723, 51.581

■ 65, 13.723, 51.581

■ 25, 13.723, 51.581

■ 75, 13.723, 51.581

■ 15, 13.723, 51.581

■ 85, 13.723, 51.581

■ 5, 13.723, 51.581

■ 95, 13.723, 51.581

■ 0, 13.723, 51.581

■ 45, 13.723, 51.581

■ 45, 13.723, 51.581

■ 42, 18.995, 51.089

■ 48, 8.810, 52.160

■ 40, 24.636, 50.681

■ 50, 4.233, 52.762

37, 30.628, 50.371

53, 0.036, 243.374

35, 36.896, 50.140

56, 4.029, 234.341

33, 43.255, 49.907

59, 7.778, 235.030

31, 49.295, 49.459

62, 11.310,
235.754

30, 54.815, 48.966

65, 14.651,
236.481

30, 54.858, 48.964

67, 17.824,
237.203

70, 20.851,
237.912

Harmonies

Complementary

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



45, 13.723, 51.581



47, 11.618, 236.545

Rectangle

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



45, 13.723, 51.581



45, 13.723, 101.581



45, 13.723, 231.581



45, 13.723, 281.581

Sweetspot

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



45, 13.723, 51.589



65, 4.763, 52.803



43, 22.059, 336.354



34, 3.350, 52.730



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 13.723, 51.589



56, 21.057, 51.234



50, 17.935, 97.052



25, 2.406, 52.809



30, 55.037, 48.965



0, 0.000, 0.000

Inverse Universe

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



47, 11.618, 236.545



59, 17.045, 237.565



41, 18.539, 284.424



26, 2.301, 234.330



35, 29.583, 257.258



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 13.723, 51.581 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 45, 13.723, 51.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 13.723, 51.581

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.723, 51.581.

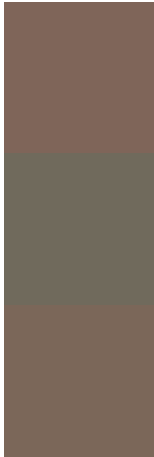


This preview shows how white text looks on a background with the CIELCh color 45, 13.723, 51.581.

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

45, 13.723, 51.581

Protanopia

45, 8.709, 91.596

Deuteranopia

45, 12.248, 62.537



Tritanopia
45, 13.295, 3.070

Trichromacy



Original Color
45, 13.723, 51.581

Protanomaly
45, 9.631, 72.794

Deuteranomaly
45, 12.557, 57.945

Tritanomaly
45, 12.059, 20.929

Monochromacy



Original Color
45, 13.723, 51.581

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.831, 57.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.723, 51.581 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(127, 101, 89)` looks like.

```
.text, #text, p{  
    color:rgb(127, 101, 89)  
}
```

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(127, 101, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 101, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.723, 51.581 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(127, 101, 89) }
```

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

```
.border{ border-color:rgb(127, 101, 89) }
```

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

Here you see how a box with a 4 pixel rgb(127, 101, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 101, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 101, 89);  
box-shadow:4px 4px 4px 4px rgb(127, 101,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.723, 51.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 101, 89) }
```

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

```
.background{ background-color: rgb(127,  
101, 89) }
```

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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