

Converting Colors

CIELCh(45, 8.224, 84.704)

Have a look what the booklet for
CIELCh(45, 8.224, 84.704) contains.

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Color

CIELCh(45, 8.292, 87.628)

Conversions

Conversions Part 1

Format	Color
Hex	716A5D
RGB	113, 106, 93
RGB Percent	44%, 42%, 36%
CMY	0.5578, 0.5852, 0.6362
CMYK	0.00, 0.06, 0.18, 0.56
HSL	39°, 10%, 40%
HSV	39°, 18%, 44%
XYZ	13.8757, 14.5417, 12.3787
YIQ	106.6110, 8.3450, -2.5590

Conversions

Conversions Part 2

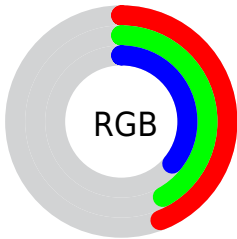
Format	Color
RYB	104, 113, 93
Decimal	7432797
CIELab	45.00, 0.34, 8.28
CIElCh	45, 8.292, 87.628
Yxy	14.5417, 0.3401, 0.3564
Android (android.graphics.Color)	4285622877 (0xFF716A5D)
YUV	106.6110, -6.7102, 5.6032
Hunter-Lab	38.1336, -1.7831, 7.4472

Details

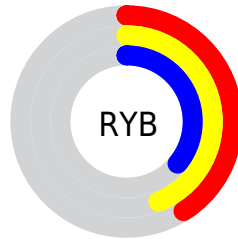
The CIELCh color $45, 8.292, 87.628$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 8.238, 272.147$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 8.370, 86.945$, and $25, 8.400, 88.024$ is the 20% darker color. If you saturate the color by 10%, you get $44, 13.115, 86.393$, and if you desaturate by 10%, it is $46, 3.572, 88.826$.

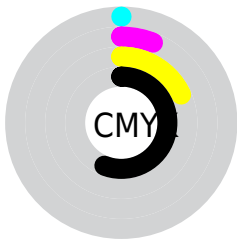
Distribution



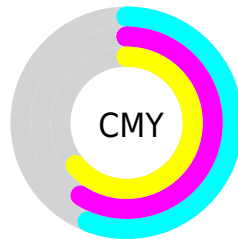
- Red (44%)
- Green (42%)
- Blue (36%)



- Red (41%)
- Yellow (44%)
- Blue (36%)



- Cyan (0%)
- Magenta (6%)
- Yellow (18%)
- Black (56%)















- Cyan (56%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 8.292, 87.628 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, 8.292, 87.628 by changing the saturation by 10% instead.

 45, 8.292, 87.628	 45, 8.292, 87.628
 100, 8.292, 87.628	 35, 8.292, 87.628
 65, 8.292, 87.628	 25, 8.292, 87.628
 75, 8.292, 87.628	 15, 8.292, 87.628
 85, 8.292, 87.628	 5, 8.292, 87.628
 95, 8.292, 87.628	 0, 8.292, 87.628

 45, 8.292, 87.628	 45, 8.292, 87.628
 44, 13.115, 86.393	 46, 3.572, 88.826
 42, 18.026, 85.108	 48, 1.046, 270.206
 41, 22.997, 83.785	 49, 5.563, 271.206

■ 40, 27.965, 82.420

■ 51, 9.987, 272.276

■ 38, 32.811, 80.992

■ 52, 14.324,
273.306

■ 37, 37.324, 79.457

■ 54, 18.580,
274.291

■ 36, 41.161, 77.725

■ 35, 44.369, 75.863

■ 55, 22.764,
275.229

■ 35, 45.211, 75.509

■ 57, 26.879,
276.119

■ 59, 30.933,
276.964

Harmonies

Complementary

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



45, 8.292, 87.628



42, 8.238, 272.147

Rectangle

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



45, 8.292, 87.628



45, 8.292, 137.628



45, 8.292, 267.628



45, 8.292, 317.628

Sweetspot

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



45, 8.293, 87.638



59, 2.835, 89.112



42, 9.440, 354.207



31, 1.951, 89.054



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 8.293, 87.638



57, 12.147, 87.169



47, 11.825, 114.808



23, 2.593, 88.681



37, 47.216, 75.301



73, 80.616, 73.487

Inverse Universe

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



42, 8.238, 272.147



52, 12.044, 272.731



40, 12.271, 297.452



22, 2.589, 270.936



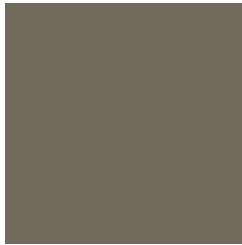
20, 52.353, 294.178



43, 94.874, 296.337

Previews

White Background



This preview shows how the CIELCh color 45, 8.292, 87.628 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 CIE LCh color 45, 8.292, 87.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

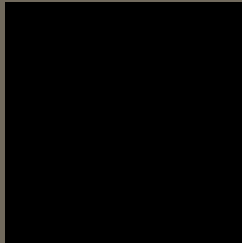
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

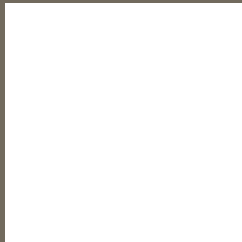
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 8.292, 87.628

Background



This preview shows how black text looks on a background with the CIELCh color 45, 8.292, 87.628.



This preview shows how white text looks on a background with the CIELCh color 45, 8.292, 87.628.

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, 8.292, 87.628

Protanopia

45, 8.142, 90.486

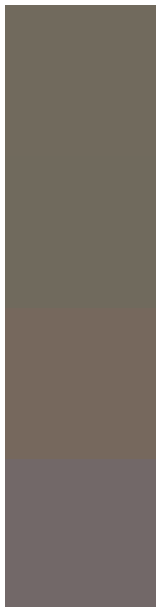
Deuteranopia

45, 9.915, 56.721



Tritanopia
45, 6.874, 336.332

Trichromacy



Original Color
45, 8.292, 87.628

Protanomaly
45, 8.142, 90.486

Deuteranomaly
45, 8.973, 66.366

Tritanomaly
45, 4.183, 19.842

Monochromacy



Original Color
45, 8.292, 87.628

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 3.081, 93.971

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 45, 8.292, 87.628 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(113, 106, 93)` looks like.

```
.text, #text, p{  
    color:rgb(113, 106, 93)  
}
```

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(113, 106, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 106, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 8.292, 87.628 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(113, 106, 93) }
```

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

```
.border{ border-color:rgb(113, 106, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 106, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 106, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 106, 93);  
box-shadow:4px 4px 4px 4px rgb(113, 106,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 8.292, 87.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 106, 93) }
```

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

```
.background{ background-color: rgb(113,  
106, 93) }
```

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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