

Converting Colors

CIELCh(45, 30.282, 87.576)

Have a look what the booklet for
CIELCh(45, 30.282, 87.576) contains.

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Color

CIELCh(45, 30.319, 87.524)

Conversions

Conversions Part 1

Format	Color
Hex	7C6837
RGB	124, 104, 55
RGB Percent	49%, 41%, 22%
CMY	0.5126, 0.5911, 0.7833
CMYK	0.00, 0.16, 0.56, 0.51
HSL	43°, 38%, 35%
HSV	43°, 56%, 49%
XYZ	14.0290, 14.5417, 5.7148
YIQ	104.3940, 27.6490, -10.9990

Conversions

Conversions Part 2

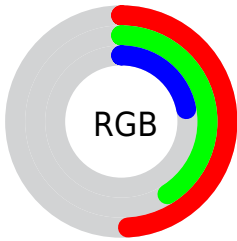
Format	Color
R _Y B	83, 124, 55
Decimal	8153143
CIE Lab	45.00, 1.31, 30.29
CIE LCh	45, 30.319, 87.524
Yxy	14.5417, 0.4092, 0.4241
Android (android.graphics.Color)	4286343223 (0xFF7C6837)
YUV	104.3940, -24.3512, 17.1945
Hunter-Lab	38.1336, -1.0651, 17.8082

Details

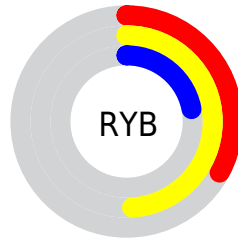
The CIELCh color **45, 30.319, 87.524** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **33, 31.187, 284.191**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 30.391, 87.823**, and **25, 30.332, 86.987** is the 20% darker color. If you saturate the color by 10%, you get **44, 35.605, 86.159**, and if you desaturate by 10%, it is **46, 24.839, 88.850**.

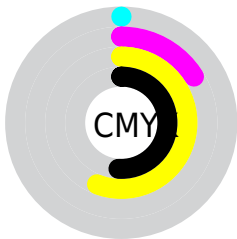
Distribution



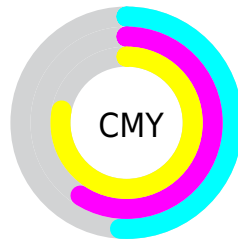
- Red (49%)
- Green (41%)
- Blue (22%)



- Red (33%)
- Yellow (49%)
- Blue (22%)



- Cyan (0%)
- Magenta (16%)
- Yellow (56%)
- Black (51%)





















- Cyan (51%)
- Magenta (59%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 30.319, 87.524 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, 30.319, 87.524 by changing the saturation by 10% instead.

 45, 30.319, 87.524	 45, 30.319, 87.524
 100, 30.319, 87.524	 35, 30.319, 87.524
 65, 30.319, 87.524	 25, 30.319, 87.524
 75, 30.319, 87.524	 15, 30.319, 87.524
 85, 30.319, 87.524	 5, 30.319, 87.524
 95, 30.319, 87.524	 0, 30.319, 87.524

 45, 30.319, 87.524	 45, 30.319, 87.524
 44, 35.605, 86.159	 46, 24.839, 88.850
 43, 40.463, 84.715	 47, 19.302, 90.137

■ 42, 44.527, 83.136

■ 49, 13.783, 91.389

■ 41, 47.478, 81.360

■ 50, 8.323, 92.602

■ 40, 48.838, 80.618

■ 51, 2.939, 93.751

■ 53, 2.359, 275.004

■ 54, 7.572, 276.055

■ 56, 12.702,
277.094

■ 57, 17.753,
278.090

Harmonies

Complementary

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



45, 30.319, 87.524



33, 31.187, 284.191

Rectangle

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



45, 30.319, 87.524



45, 30.319, 137.524



45, 30.319, 267.524



45, 30.319, 317.524

Sweetspot

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



45, 30.319, 87.528



63, 11.248, 92.380



33, 32.332, 3.376



33, 7.592, 92.189



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 30.319, 87.528



56, 44.761, 85.730



50, 38.976, 114.495



25, 2.962, 93.360



40, 49.021, 80.604



78, 82.271, 79.198

Inverse Universe

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



33, 31.187, 284.191



37, 47.181, 287.784



28, 44.628, 303.145



24, 2.974, 275.566



19, 59.503, 297.686



41, 105.684, 299.477

Previews

White Background



This preview shows how the CIELCh color 45, 30.319, 87.524 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, 30.319, 87.524 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, 30.319, 87.524

Background



This preview shows how black text looks on a background with the CIELCh color 45, 30.319, 87.524.



This preview shows how white text looks on a background with the CIELCh color 45, 30.319, 87.524.

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, 30.319, 87.524

Protanopia

45, 30.082, 95.895

Deuteranopia

45, 30.726, 79.148



Tritanopia
45, 13.295, 3.070

Trichromacy



Original Color
45, 30.319, 87.524

Protanomaly
45, 29.901, 93.059

Deuteranomaly
45, 30.493, 81.926

Tritanomaly
45, 14.083, 53.486

Monochromacy



Original Color
45, 30.319, 87.524

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 11.137, 92.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 30.319, 87.524 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(124, 104, 55)` looks like.

```
.text, #text, p{  
    color:rgb(124, 104, 55)  
}
```

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(124, 104, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 104, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 30.319, 87.524 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(124, 104, 55) }
```

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

```
.border{ border-color:rgb(124, 104, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 104, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 104, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 104, 55);  
box-shadow:4px 4px 4px 4px rgb(124, 104,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 30.319, 87.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 104, 55) }
```

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

```
.background{ background-color: rgb(124,  
104, 55) }
```

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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