

Converting Colors

CIELCh(45, 13.601, 85.151)

Have a look what the booklet for
CIELCh(45, 13.601, 85.151) contains.

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Color

CIELCh(45, 13.601, 85.144)

Conversions

Conversions Part 1

Format	Color
Hex	756954
RGB	117, 105, 84
RGB Percent	46%, 41%, 33%
CMY	0.5409, 0.5880, 0.6704
CMYK	0.00, 0.10, 0.28, 0.54
HSL	38°, 16%, 39%
HSV	38°, 28%, 46%
XYZ	14.0038, 14.5417, 10.4675
YIQ	106.1940, 13.8930, -3.9870

Conversions

Conversions Part 2

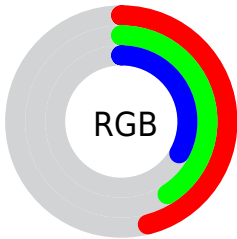
Format	Color
R_{YB}	103, 117, 84
Decimal	7694676
CIE Lab	45.00, 1.15, 13.55
CIE LCh	45, 13.601, 85.144
Yxy	14.5417, 0.3590, 0.3727
Android (android.graphics.Color)	4285884756 (0xFF756954)
YUV	106.1940, -10.9416, 9.4769
Hunter-Lab	38.1336, -1.1831, 10.4186

Details

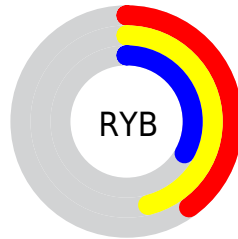
The CIELCh color **45, 13.601, 85.144** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 13.380, 272.733**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 13.293, 85.329**, and **25, 13.482, 85.265** is the 20% darker color. If you saturate the color by 10%, you get **44, 18.632, 83.854**, and if you desaturate by 10%, it is **46, 8.672, 86.409**.

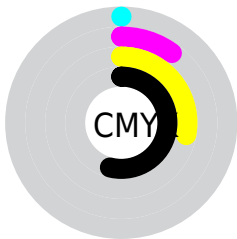
Distribution



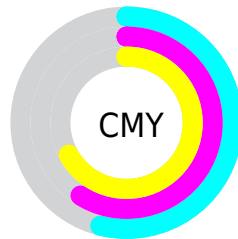
- Red (46%)
- Green (41%)
- Blue (33%)



- Red (40%)
- Yellow (46%)
- Blue (33%)



- Cyan (0%)
- Magenta (10%)
- Yellow (28%)
- Black (54%)



- Cyan (54%)
- Magenta (59%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 13.601, 85.144 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, 13.601, 85.144 by changing the saturation by 10% instead.

■ 45, 13.601, 85.144

■ 45, 13.601, 85.144

■ 100, 13.601,
85.144

■ 35, 13.601, 85.144

■ 65, 13.601, 85.144

■ 25, 13.601, 85.144

■ 75, 13.601, 85.144

■ 15, 13.601, 85.144

■ 85, 13.601, 85.144

■ 5, 13.601, 85.144

■ 95, 13.601, 85.144

■ 0, 13.601, 85.144

■ 45, 13.601, 85.144

■ 45, 13.601, 85.144

■ 44, 18.632, 83.854

■ 46, 8.672, 86.409

■ 42, 23.734, 82.520

■ 48, 3.856, 87.610

■ 41, 28.844, 81.140

■ 50, 0.847, 269.052

■ 39, 33.836, 79.695

■ 51, 5.441, 270.018

■ 38, 38.486, 78.131

■ 53, 9.933, 271.099

■ 37, 42.428, 76.347

■ 54, 14.331,
272.142

■ 36, 45.726, 74.425

■ 56, 18.643,
273.139

■ 35, 46.412, 74.135

■ 58, 22.876,
274.088

■ 59, 27.037,
274.990

Harmonies

Complementary

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



45, 13.601, 85.144



40, 13.380, 272.733

Rectangle

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



45, 13.601, 85.144



45, 13.601, 135.144



45, 13.601, 265.144



45, 13.601, 315.144

Sweetspot

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



45, 13.602, 85.151



62, 4.688, 87.609



40, 15.830, 354.289



31, 3.318, 87.463



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 13.602, 85.151



57, 20.580, 84.288



48, 19.277, 113.344



24, 2.656, 87.513



37, 47.919, 73.980



73, 81.289, 72.153

Inverse Universe

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



40, 13.380, 272.733



50, 20.165, 273.981



37, 20.509, 297.897



23, 2.649, 269.802



21, 52.066, 293.399



45, 93.520, 295.545

Previews

White Background



This preview shows how the CIELCh color 45, 13.601, 85.144 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, 13.601, 85.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

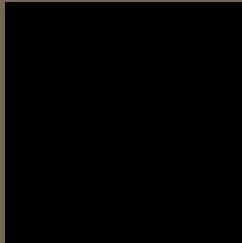
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.601, 85.144

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.601, 85.144.



This preview shows how white text looks on a background with the CIELCh color 45, 13.601, 85.144.

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, 13.601, 85.144

Protanopia

45, 12.837, 94.391

Deuteranopia

45, 14.265, 64.822



Tritanopia
45, 8.553, 351.417

Trichromacy



Original Color
45, 13.601, 85.144

Protanomaly
45, 12.955, 92.473

Deuteranomaly
45, 13.486, 71.888

Tritanomaly
45, 7.064, 34.722

Monochromacy



Original Color
45, 13.601, 85.144

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.040, 89.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.601, 85.144 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(117, 105, 84)` looks like.

```
.text, #text, p{  
    color:rgb(117, 105, 84)  
}
```

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(117, 105, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 105, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.601, 85.144 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(117, 105, 84) }
```

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

```
.border{ border-color:rgb(117, 105, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 105, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 105, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 105, 84);  
box-shadow:4px 4px 4px 4px rgb(117, 105,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.601, 85.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 105, 84) }
```

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

```
.background{ background-color: rgb(117,  
105, 84) }
```

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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