

Converting Colors

CIELCh(45, 13.054, 104.435)

Have a look what the booklet for
CIELCh(45, 13.054, 104.435)
contains.

CIELCh(45, 13.054, 104.435)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 13.054, 104.435)

Conversions

Conversions Part 1

Format	Color
Hex	6D6B55
RGB	109, 107, 85
RGB Percent	43%, 42%, 33%
CMY	0.5709, 0.5788, 0.6651
CMYK	0.00, 0.02, 0.22, 0.57
HSL	55°, 12%, 38%
HSV	55°, 22%, 43%
XYZ	13.3146, 14.5417, 10.7826
YIQ	105.0900, 8.2540, -6.4180

Conversions

Conversions Part 2

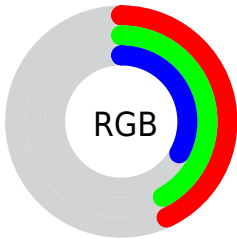
Format	Color
R_{YB}	87, 109, 85
Decimal	7170901
CIE Lab	45.00, -3.25, 12.64
CIE LCh	45, 13.054, 104.435
Yxy	14.5417, 0.3446, 0.3763
Android (android.graphics.Color)	4285360981 (0xFF6D6B55)
YUV	105.0900, -9.9044, 3.4291
Hunter-Lab	38.1336, -4.4093, 9.9287

Details

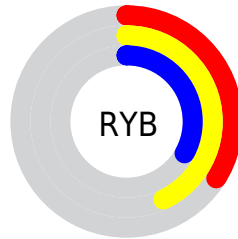
The CIELCh color **45, 13.054, 104.435** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 13.579, 289.091**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 12.767, 103.358**, and **25, 13.012, 105.194** is the 20% darker color. If you saturate the color by 10%, you get **45, 18.950, 103.441**, and if you desaturate by 10%, it is **46, 7.112, 105.428**.

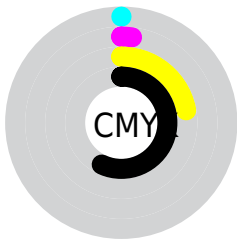
Distribution



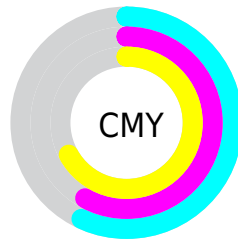
- Red (43%)
- Green (42%)
- Blue (33%)



- Red (34%)
- Yellow (43%)
- Blue (33%)



- Cyan (0%)
- Magenta (2%)
- Yellow (22%)
- Black (57%)





- Cyan (57%)
- Magenta (58%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.054, 104.435 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, 13.054, 104.435 by changing the saturation by 10% instead.


 45, 13.054,
104.435


 45, 13.054,
104.435


 100, 13.054,
104.435


 35, 13.054,
104.435

 65, 13.054,
104.435


 25, 13.054,
104.435

 75, 13.054,
104.435

 15, 13.054,
104.435

 85, 13.054,
104.435

 5, 13.054, 104.435

 95, 13.054,
104.435

 0, 13.054, 104.435

 45, 13.054,

 45, 13.054,

104.435

104.435

■ 45, 18.950,
103.441

■ 46, 7.112, 105.428

■ 44, 24.741,
102.444

■ 46, 1.156, 106.356

■ 47, 4.792, 287.372

■ 44, 30.339,
101.463

■ 47, 10.718,
288.281

■ 43, 35.609,
100.516

■ 48, 16.612,
289.160

■ 43, 40.346, 99.623

■ 49, 22.469,
290.002

■ 42, 44.274, 98.802

■ 49, 28.284,
290.804

■ 42, 47.092, 98.066

■ 42, 49.091, 97.507

■ 50, 34.055,
291.566

■ 51, 39.779,

Harmonies

Complementary

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



45, 13.054, 104.435



38, 13.579, 289.091

Rectangle

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



45, 13.054, 104.435



45, 13.054, 154.435



45, 13.054, 284.435



45, 13.054, 334.435

Sweetspot

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



45, 13.055, 104.440



59, 5.179, 105.889



39, 10.616, 13.058



30, 3.342, 105.855



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 13.055, 104.440



58, 19.218, 103.965



45, 14.816, 124.464



22, 3.285, 105.721



45, 51.562, 97.463



88, 88.447, 97.120

Inverse Universe

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



38, 13.579, 289.091



47, 20.180, 289.749



38, 15.338, 306.617



20, 3.340, 287.524



13, 70.947, 304.588



32, 125.968, 305.472

Previews

White Background



This preview shows how the CIELCh color 45, 13.054, 104.435 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, 13.054, 104.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

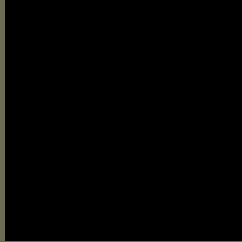
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

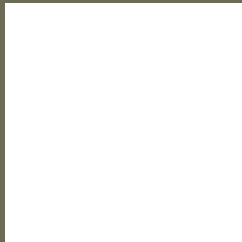
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 13.054, 104.435

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.054, 104.435.



This preview shows how white text looks on a background with the CIELCh color 45, 13.054, 104.435.

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

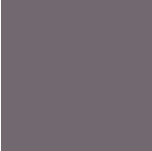
45, 13.054, 104.435

Protanopia

45, 12.837, 94.391

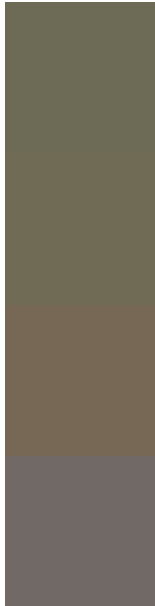
Deuteranopia

45, 13.819, 63.273



Tritanopia
45, 6.045, 328.018

Trichromacy



Original Color
45, 13.054, 104.435

Protanomaly
45, 13.209, 98.667

Deuteranomaly
45, 12.668, 76.771

Tritanomaly
45, 3.429, 50.911

Monochromacy



Original Color
45, 13.054, 104.435

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.751, 109.495

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.054, 104.435 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(109, 107, 85)` looks like.

```
.text, #text, p{  
    color:rgb(109, 107, 85)  
}
```

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(109, 107, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 107, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.054, 104.435 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(109, 107, 85) }
```

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

```
.border{ border-color:rgb(109, 107, 85) }
```

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

Here you see how a box with a 4 pixel rgb(109, 107, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 107, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 107, 85);  
box-shadow:4px 4px 4px 4px rgb(109, 107,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.054, 104.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 107, 85) }
```

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

```
.background{ background-color: rgb(109,  
107, 85) }
```

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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