

Converting Colors

CIELCh(45, 27.860, 106.195)

Have a look what the booklet for
CIELCh(45, 27.860, 106.195)
contains.

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Color

CIELCh(45, 27.859, 106.192)

Conversions

Conversions Part 1

Format	Color
Hex	6D6D3D
RGB	109, 109, 61
RGB Percent	43%, 43%, 24%
CMY	0.5723, 0.5723, 0.7606
CMYK	0.00, 0.00, 0.44, 0.57
HSL	60°, 28%, 33%
HSV	60°, 44%, 43%
XYZ	12.6322, 14.5417, 6.5634
YIQ	103.5280, 15.4080, -14.9280

Conversions

Conversions Part 2

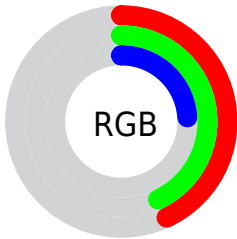
Format	Color
R_{YB}	61, 109, 61
Decimal	7171389
CIE Lab	45.00, -7.77, 26.75
CIE LCh	45, 27.859, 106.192
Yxy	14.5417, 0.3744, 0.4310
Android (android.graphics.Color)	4285361469 (0xFF6D6D3D)
YUV	103.5280, -20.9663, 4.7989
Hunter-Lab	38.1336, -7.6037, 16.4888

Details

The CIELCh color $45, 27.859, 106.192$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $28, 31.064, 295.842$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 27.910, 105.421$, and $25, 28.057, 106.460$ is the 20% darker color. If you saturate the color by 10%, you get $45, 33.703, 105.358$, and if you desaturate by 10%, it is $45, 21.735, 107.078$.

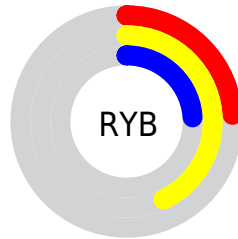
Distribution



Red (43%)

Green (43%)

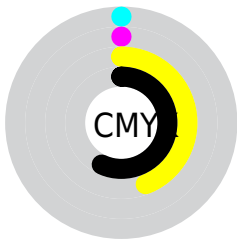
Blue (24%)



Red (24%)

Yellow (43%)

Blue (24%)

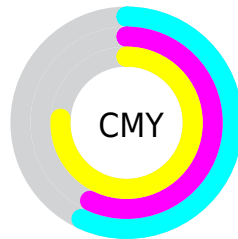


Cyan (0%)

Magenta (0%)

Yellow (44%)

Black (57%)



Cyan (57%)


Magenta (57%)

Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 27.859, 106.192 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, 27.859, 106.192 by changing the saturation by 10% instead.


 45, 27.859,
106.192


 45, 27.859,
106.192


 100, 27.859,
106.192


 35, 27.859,
106.192

 65, 27.859,
106.192


 25, 27.859,
106.192

 75, 27.859,
106.192

 15, 27.859,
106.192

 85, 27.859,
106.192

 5, 27.859, 106.192

 95, 27.859,
106.192

 0, 27.859, 106.192

 45, 27.859,

 45, 27.859,

106.192

■ 45, 33.703,
105.358

■ 45, 39.105,
104.594

■ 45, 43.842,
103.935

■ 45, 47.643,
103.416

■ 45, 50.333,
103.055

■ 45, 51.844,
102.854

106.192

■ 45, 21.735,
107.078

■ 45, 15.438,
107.987

■ 46, 9.041, 108.901

■ 46, 2.592, 109.802

■ 46, 3.877, 290.724

■ 47, 10.346,
291.589

■ 47, 16.799,
292.430

■ 47, 23.225,
293.237

■ 48, 29.615,

Harmonies

Complementary

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



45, 27.859, 106.192



28, 31.064, 295.842

Rectangle

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



45, 27.859, 106.192



45, 27.859, 156.192



45, 27.859, 286.192



45, 27.859, 336.192

Sweetspot

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



45, 27.860, 106.195



59, 10.461, 108.962



32, 22.928, 23.567



30, 7.266, 108.803



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, 27.860, 106.195



58, 41.219, 105.322



43, 30.035, 127.121



22, 3.573, 109.363



48, 54.603, 102.854



94, 93.960, 102.854

Inverse Universe

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



28, 31.064, 295.842



32, 47.629, 297.781



30, 31.900, 311.159



20, 3.646, 291.048



11, 75.396, 306.287



31, 129.741, 306.287

Previews

White Background



This preview shows how the CIELCh color 45, 27.859, 106.192 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, 27.859, 106.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

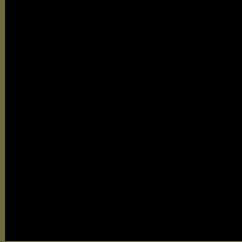
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.859, 106.192

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.859, 106.192.



This preview shows how white text looks on a background with the CIELCh color 45, 27.859, 106.192.

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, 27.859, 106.192

Protanopia

45, 27.821, 96.463

Deuteranopia

45, 26.640, 77.984



Tritanopia
45, 6.874, 336.332

Trichromacy



Original Color
45, 27.859, 106.192

Protanomaly
45, 28.051, 100.402

Deuteranomaly
45, 26.575, 88.895

Tritanomaly
45, 7.934, 83.249

Monochromacy



Original Color
45, 27.859, 106.192

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 10.691, 108.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.859, 106.192 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, 109, 61)` looks like.

```
.text, #text, p{  
    color:rgb(109, 109, 61)  
}
```

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, 109, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 109, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.859, 106.192 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, 109, 61) }
```

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

```
.border{ border-color:rgb(109, 109, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 109, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 109, 61); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 109, 61); box-shadow:4px 4px 4px 4px rgb(109, 109, 61) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.859, 106.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 109, 61) }
```

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

```
.background{ background-color: rgb(109,  
109, 61) }
```

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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