

Converting Colors

CIELCh(45, 12.931, 18.463)

Have a look what the booklet for
CIELCh(45, 12.931, 18.463) contains.

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Color

CIELCh(45, 12.931, 18.463)

Conversions

Conversions Part 1

Format	Color
Hex	816364
RGB	129, 99, 100
RGB Percent	51%, 39%, 39%
CMY	0.4937, 0.6113, 0.6074
CMYK	0.00, 0.23, 0.22, 0.49
HSL	358°, 13%, 45%
HSV	358°, 23%, 51%
XYZ	15.8474, 14.5417, 14.0550
YIQ	108.0840, 17.5590, 6.6710

Conversions

Conversions Part 2

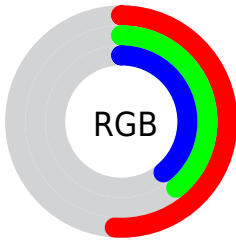
Format	Color
R_{YB}	129, 99, 100
Decimal	8479588
CIE Lab	45.00, 12.27, 4.10
CIE LCh	45, 12.931, 18.463
Yxy	14.5417, 0.3566, 0.3272
Android (android.graphics.Color)	4286669668 (0xFF816364)
YUV	108.0840, -3.9854, 18.3433
Hunter-Lab	38.1336, 7.4463, 4.8409

Details

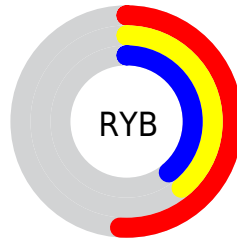
The CIELCh color $45, 12.931, 18.463$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $52, 11.252, 195.297$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.718, 18.121$, and $25, 13.068, 19.209$ is the 20% darker color. If you saturate the color by 10%, you get $41, 19.130, 19.636$, and if you desaturate by 10%, it is $49, 7.109, 17.529$.

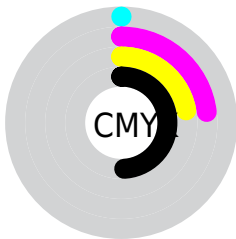
Distribution



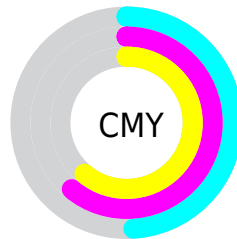
- Red (51%)
- Green (39%)
- Blue (39%)



- Red (51%)
- Yellow (39%)
- Blue (39%)



- Cyan (0%)
- Magenta (23%)
- Yellow (22%)
- Black (49%)



- Cyan (49%)
- Magenta (61%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 12.931, 18.463 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, 12.931, 18.463 by changing the saturation by 10% instead.

■ 45, 12.931, 18.463

■ 45, 12.931, 18.463

■ 100, 12.931,
18.463

■ 35, 12.931, 18.463

■ 65, 12.931, 18.463

■ 25, 12.931, 18.463

■ 75, 12.931, 18.463

■ 15, 12.931, 18.463

■ 85, 12.931, 18.463

■ 5, 12.931, 18.463

■ 95, 12.931, 18.463

■ 0, 12.931, 18.463

■ 45, 12.931, 18.463

■ 45, 12.931, 18.463

■ 41, 19.130, 19.636

■ 49, 7.109, 17.529

■ 38, 25.661, 21.117

■ 53, 1.678, 16.615

35, 32.426, 23.011

57, 3.377, 196.375

32, 39.267, 25.423

61, 8.084, 195.818

29, 45.980, 28.429

65, 12.473,
195.395

28, 52.312, 31.985

69, 16.580,
195.045

26, 57.821, 35.653

26, 60.750, 37.133

73, 20.436,
194.750

77, 24.071,
194.497

81, 27.512,
194.278

Harmonies

Complementary

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



45, 12.931, 18.463



52, 11.252, 195.297

Rectangle

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



45, 12.931, 18.463



45, 12.931, 68.463



45, 12.931, 198.463



45, 12.931, 248.463

Sweetspot

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



45, 12.930, 18.469



66, 4.568, 17.015



46, 21.147, 324.715



34, 2.959, 17.053



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 12.930, 18.469



56, 19.712, 19.068



49, 10.772, 69.069



25, 2.951, 17.178



25, 60.122, 37.030



0, 0.000, 0.000

Inverse Universe

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



45, 12.930, 18.469



56, 19.712, 19.068



48, 10.021, 254.914



25, 2.951, 17.178



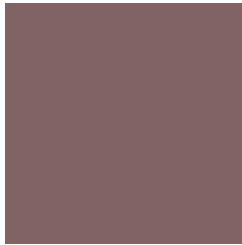
25, 60.122, 37.030



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 12.931, 18.463 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, 12.931, 18.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

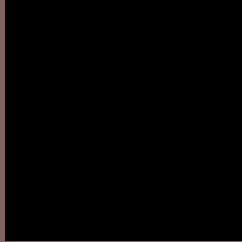
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 12.931, 18.463

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.931, 18.463.



This preview shows how white text looks on a background with the CIELCh color 45, 12.931, 18.463.

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, 12.931, 18.463

Protanopia

45, 1.711, 63.291

Deuteranopia

45, 7.678, 38.151



Tritanopia
45, 14.279, 2.017

Trichromacy



Original Color
45, 12.931, 18.463

Protanomaly
45, 5.471, 20.027

Deuteranomaly
45, 9.222, 31.535

Tritanomaly
45, 14.025, 6.670

Monochromacy



Original Color
45, 12.931, 18.463

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.600, 19.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.931, 18.463 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(129, 99, 100)` looks like.

```
.text, #text, p{  
    color:rgb(129, 99, 100)  
}
```

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(129, 99, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 99, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.931, 18.463 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(129, 99, 100) }
```

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

```
.border{ border-color:rgb(129, 99, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 99, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 99, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 99, 100); box-shadow:4px 4px 4px 4px rgb(129, 99, 100) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.931, 18.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 99, 100) }
```

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

```
.background{ background-color: rgb(129, 99,  
100) }
```

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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