

Converting Colors

CIELCh(45, 18.464, 27.919)

Have a look what the booklet for
CIELCh(45, 18.464, 27.919) contains.

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Color

CIELCh(45, 18.290, 27.258)

Conversions

Conversions Part 1

Format	Color
Hex	89605D
RGB	137, 96, 93
RGB Percent	54%, 38%, 36%
CMY	0.4618, 0.6226, 0.6344
CMYK	0.00, 0.30, 0.32, 0.46
HSL	4°, 19%, 45%
HSV	4°, 32%, 54%
XYZ	16.5473, 14.5417, 12.3435
YIQ	107.9170, 25.3990, 7.7590

Conversions

Conversions Part 2

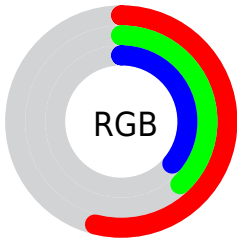
Format	Color
R_{YB}	137, 96, 93
Decimal	9003101
CIE _{Lab}	45.00, 16.26, 8.38
CIE _{LCh}	45, 18.290, 27.258
Yxy	14.5417, 0.3810, 0.3348
Android (android.graphics.Color)	4287193181 (0xFF89605D)
YUV	107.9170, -7.3541, 25.5058
Hunter-Lab	38.1336, 10.7228, 7.5019

Details

The CIELCh color $45, 18.290, 27.258$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $53, 14.676, 204.851$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 18.075, 28.047$, and $25, 18.589, 27.130$ is the 20% darker color. If you saturate the color by 10%, you get $41, 24.906, 28.284$, and if you desaturate by 10%, it is $49, 12.105, 26.496$.

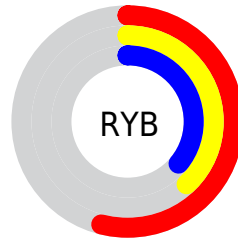
Distribution



Red (54%)

Green (38%)

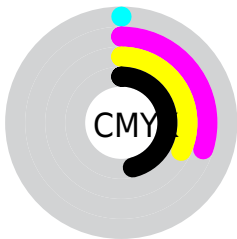
Blue (36%)



Red (54%)

Yellow (38%)

Blue (36%)

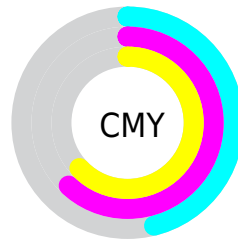


Cyan (0%)

Magenta (30%)

Yellow (32%)

Black (46%)



Cyan (46%)

Magenta (62%)

Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 18.290, 27.258 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, 18.290, 27.258 by changing the saturation by 10% instead.

 45, 18.290, 27.258

 45, 18.290, 27.258

 100, 18.290,
27.258

 35, 18.290, 27.258

 65, 18.290, 27.258

 25, 18.290, 27.258

 75, 18.290, 27.258

 15, 18.290, 27.258

 85, 18.290, 27.258

 5, 18.290, 27.258

 95, 18.290, 27.258

 0, 18.290, 27.258

 45, 18.290, 27.258

 45, 18.290, 27.258

 41, 24.906, 28.284

 49, 12.105, 26.496

 38, 31.907, 29.631

 52, 6.364, 25.909

35, 39.189, 31.373

56, 1.051, 25.171

33, 46.574, 33.544

60, 3.864, 205.393

31, 53.765, 36.062

64, 8.418, 205.134

29, 60.144, 38.519

68, 12.650,
204.983

28, 64.023, 40.116

72, 16.597,
204.891

76, 20.294,
204.840

80, 23.770,
204.820

Harmonies

Complementary

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



45, 18.290, 27.258



53, 14.676, 204.851

Rectangle

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



45, 18.290, 27.258



45, 18.290, 77.258



45, 18.290, 207.258



45, 18.290, 257.258

Sweetspot

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



45, 18.289, 27.263



68, 6.484, 25.811



46, 29.556, 328.040



35, 4.428, 25.875



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



45, 18.289, 27.263



55, 27.548, 27.921



51, 16.841, 78.230



27, 2.948, 25.755



27, 62.197, 39.935



0, 1.323, 25.496

Inverse Universe

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



53, 14.676, 204.851



67, 20.949, 204.819



47, 16.000, 267.272



28, 2.785, 205.324



47, 28.325, 207.683



1, 1.323, 205.515

Previews

White Background



This preview shows how the CIELCh color 45, 18.290, 27.258 looks on a white background.

Color Contrast Check

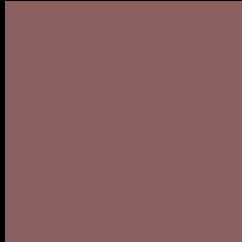
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.290, 27.258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

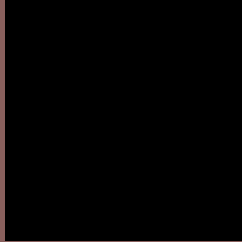
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 18.290, 27.258

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.290, 27.258.

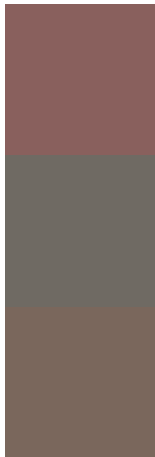


This preview shows how white text looks on a background with the CIELCh color 45, 18.290, 27.258.

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, 18.290, 27.258

Protanopia

45, 4.658, 82.536

Deuteranopia

45, 10.662, 57.700



Tritanopia
45, 18.849, 9.437

Trichromacy



Original Color
45, 18.290, 27.258

Protanomaly
45, 8.753, 40.058

Deuteranomaly
45, 13.165, 44.437

Tritanomaly
45, 18.758, 14.797

Monochromacy



Original Color
45, 18.290, 27.258

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 6.367, 25.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.290, 27.258 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(137, 96, 93)` looks like.

```
.text, #text, p{  
    color:rgb(137, 96, 93)  
}
```

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(137, 96, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 96, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.290, 27.258 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(137, 96, 93) }
```

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

```
.border{ border-color:rgb(137, 96, 93) }
```

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

Here you see how a box with a 4 pixel rgb(137, 96, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 96, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 96, 93);  
box-shadow:4px 4px 4px 4px rgb(137, 96,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.290, 27.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 96, 93) }
```

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

```
.background{ background-color: rgb(137, 96,  
93) }
```

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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