

Converting Colors

CIELCh(45, 20.308, 9.915)

Have a look what the booklet for
CIELCh(45, 20.308, 9.915) contains.

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Color

CIELCh(45, 20.167, 10.497)

Conversions

Conversions Part 1

Format	Color
Hex	8C5E65
RGB	140, 94, 101
RGB Percent	55%, 37%, 40%
CMY	0.4507, 0.6311, 0.6036
CMYK	0.00, 0.33, 0.28, 0.45
HSL	351°, 20%, 46%
HSV	351°, 33%, 55%
XYZ	17.1904, 14.5417, 14.2314
YIQ	108.5520, 25.1690, 11.9290

Conversions

Conversions Part 2

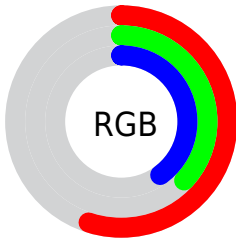
Format	Color
R_{YB}	140, 94, 101
Decimal	9199205
CIE _{Lab}	45.00, 19.83, 3.67
CIE _{LCh}	45, 20.167, 10.497
Y _{xy}	14.5417, 0.3740, 0.3164
Android (android.graphics.Color)	4287389285 (0xFF8C5E65)
YUV	108.5520, -3.7231, 27.5799
Hunter-Lab	38.1336, 13.7327, 4.5666

Details

The CIELCh color $45, 20.167, 10.497$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $55, 17.294, 184.198$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 20.260, 10.540$, and $25, 19.984, 10.953$ is the 20% darker color. If you saturate the color by 10%, you get $41, 26.858, 12.120$, and if you desaturate by 10%, it is $49, 13.679, 9.178$.

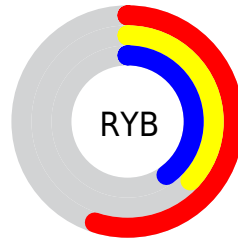
Distribution



Red (55%)

Green (37%)

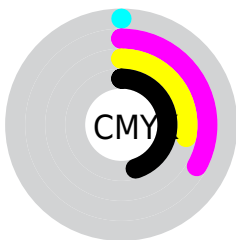
Blue (40%)



Red (55%)

Yellow (37%)

Blue (40%)

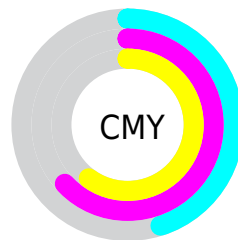


Cyan (0%)

Magenta (33%)

Yellow (28%)

Black (45%)



Cyan (45%)













Magenta (63%)







Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 20.167, 10.497 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, 20.167, 10.497 by changing the saturation by 10% instead.

 45, 20.167, 10.497	 45, 20.167, 10.497
 100, 20.167, 10.497	 35, 20.167, 10.497
 65, 20.167, 10.497	 25, 20.167, 10.497
 75, 20.167, 10.497	 15, 20.167, 10.497
 85, 20.167, 10.497	 5, 20.167, 10.497
 95, 20.167, 10.497	 0, 20.167, 10.497

 45, 20.167, 10.497	 45, 20.167, 10.497
 41, 26.858, 12.120	 49, 13.679, 9.178
 38, 33.617, 14.138	 53, 7.482, 8.068

■ 35, 40.245, 16.677

■ 57, 1.610, 6.958

■ 32, 46.509, 19.868

■ 61, 3.929, 186.531

■ 30, 52.206, 23.798

■ 66, 9.148, 185.797

■ 29, 57.224, 28.402

■ 70, 14.067,
185.189

■ 28, 60.672, 31.562

■ 74, 18.713,
184.656

■ 78, 23.113,
184.182

■ 83, 27.292,
183.756

Harmonies

Complementary

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



45, 20.167, 10.497



55, 17.294, 184.198

Rectangle

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



45, 20.167, 10.497



45, 20.167, 60.497



45, 20.167, 190.497



45, 20.167, 240.497

Sweetspot

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



45, 20.165, 10.501



69, 7.130, 7.798



45, 30.876, 321.237



35, 4.920, 7.925



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



45, 20.165, 10.501



55, 29.973, 11.594



49, 16.463, 53.336



27, 3.208, 7.689



27, 58.140, 31.268



0, 1.452, 6.968

Inverse Universe

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



45, 20.165, 10.501



55, 29.973, 11.594



51, 13.761, 239.419



27, 3.208, 7.689



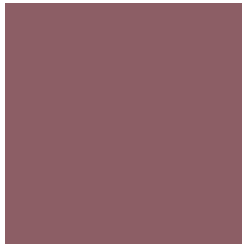
27, 58.140, 31.268



0, 1.452, 6.968

Previews

White Background



This preview shows how the CIELCh color 45, 20.167, 10.497 looks on a white background.

Color Contrast Check

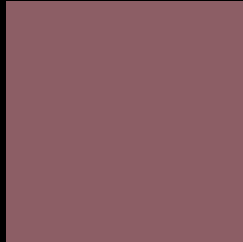
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.167, 10.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

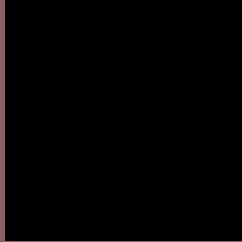
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 20.167, 10.497

Background



This preview shows how black text looks on a background with the CIELCh color 45, 20.167, 10.497.



This preview shows how white text looks on a background with the CIELCh color 45, 20.167, 10.497.

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, 20.167, 10.497

Protanopia

45, 1.459, 324.425

Deuteranopia

45, 7.678, 38.151



Tritanopia
45, 20.167, 10.497

Trichromacy



Original Color
45, 20.167, 10.497

Protanomaly
45, 7.769, 7.143

Deuteranomaly
45, 11.617, 20.871

Tritanomaly
45, 20.167, 10.497

Monochromacy



Original Color
45, 20.167, 10.497

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.808, 10.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 20.167, 10.497 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(140, 94, 101)` looks like.

```
.text, #text, p{  
    color:rgb(140, 94, 101)  
}
```

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(140, 94, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 94, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 20.167, 10.497 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(140, 94, 101) }
```

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

```
.border{ border-color:rgb(140, 94, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 94, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 94, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 94, 101);  
box-shadow:4px 4px 4px 4px rgb(140, 94,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 20.167, 10.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 94, 101) }
```

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

```
.background{ background-color: rgb(140, 94,  
101) }
```

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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