

Converting Colors

CIELCh(45, 19.086, 160.565)

Have a look what the booklet for
CIELCh(45, 19.086, 160.565)
contains.

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Color

CIELCh(45, 19.657, 159.957)

Conversions

Conversions Part 1

Format	Color
Hex	4C735F
RGB	76, 115, 95
RGB Percent	30%, 45%, 37%
CMY	0.7030, 0.5501, 0.6285
CMYK	0.34, 0.00, 0.17, 0.55
HSL	149°, 20%, 37%
HSV	149°, 34%, 45%
XYZ	11.1090, 14.5417, 12.9815
YIQ	101.0590, -16.8240, -14.4880

Conversions

Conversions Part 2

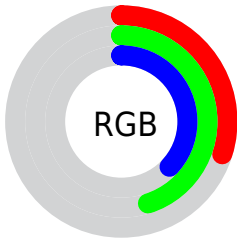
Format	Color
R_{YB}	76, 102, 115
Decimal	5010271
CIE _{Lab}	45.00, -18.47, 6.74
CIE _{LCh}	45, 19.657, 159.957
Yxy	14.5417, 0.2876, 0.3764
Android (android.graphics.Color)	4283200351 (0xFF4C735F)
YUV	101.0590, -2.9871, -21.9767
Hunter-Lab	38.1336, -14.7334, 6.5099

Details

The CIELCh color **45, 19.657, 159.957** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 20.398, 345.976**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 19.780, 159.624**, and **25, 19.830, 159.759** is the 20% darker color. If you saturate the color by 10%, you get **44, 25.163, 158.823**, and if you desaturate by 10%, it is **46, 13.962, 160.969**.

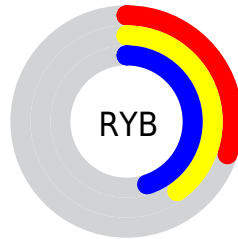
Distribution



Red (30%)

Green (45%)

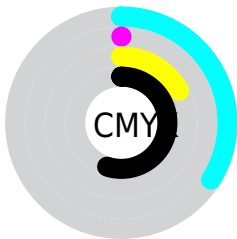
Blue (37%)



Red (30%)

Yellow (40%)

Blue (45%)

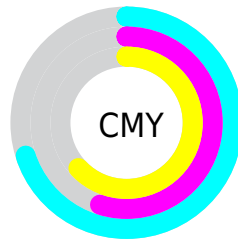


Cyan (34%)

Magenta (0%)

Yellow (17%)

Black (55%)



Cyan (70%)


Magenta (55%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 19.657, 159.957 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, 19.657, 159.957 by changing the saturation by 10% instead.


 45, 19.657,
159.957


 45, 19.657,
159.957


 100, 19.657,
159.957


 35, 19.657,
159.957

 65, 19.657,
159.957


 25, 19.657,
159.957

 75, 19.657,
159.957

 15, 19.657,
159.957

 85, 19.657,
159.957

 5, 19.657, 159.957

 95, 19.657,
159.957

 0, 19.657, 159.957

 45, 19.657,

 45, 19.657,

159.957

■ 44, 25.163,
158.823

■ 44, 30.389,
157.548

■ 43, 35.246,
156.109

■ 43, 39.658,
154.488

■ 42, 43.570,
152.675

■ 42, 46.984,
150.693

■ 42, 48.948,
149.574

159.957

■ 46, 13.962,
160.969

■ 47, 8.159, 161.885

■ 48, 2.321, 162.783

■ 49, 3.494, 343.333

■ 50, 9.240, 344.061

■ 52, 14.882,
344.699

■ 53, 20.399,
345.286

■ 54, 25.774,
345.833

■ 56, 30.999,
346.344

Harmonies

Complementary

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



45, 19.657, 159.957



37, 20.398, 345.976

Rectangle

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



45, 19.657, 159.957



45, 19.657, 209.957



45, 19.657, 339.957



45, 19.657, 29.957

Sweetspot

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



45, 19.658, 159.956



60, 7.181, 162.211



46, 24.222, 126.963



31, 4.868, 162.119



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 19.658, 159.956



57, 28.957, 159.056



46, 14.360, 196.258



23, 3.219, 162.322



44, 50.626, 149.456



86, 88.984, 148.065

Inverse Universe

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



37, 20.398, 345.976



45, 30.259, 346.881



37, 17.817, 20.939



22, 3.255, 343.624



25, 48.798, 359.120



53, 82.867, 1.635

Previews

White Background



This preview shows how the CIELCh color 45, 19.657, 159.957 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, 19.657, 159.957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

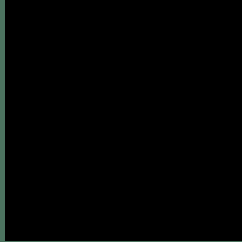
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 19.657, 159.957

Background



This preview shows how black text looks on a background with the CIELCh color 45, 19.657, 159.957.



This preview shows how white text looks on a background with the CIELCh color 45, 19.657, 159.957.

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, 19.657, 159.957

Protanopia

45, 9.852, 93.398

Deuteranopia

45, 8.337, 41.046



Tritanopia
45, 12.002, 225.098

Trichromacy



Original Color
45, 19.657, 159.957

Protanomaly
45, 10.975, 131.462

Deuteranomaly
45, 6.670, 120.200

Tritanomaly
45, 12.452, 195.233

Monochromacy



Original Color
45, 19.657, 159.957

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 7.152, 162.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 19.657, 159.957 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(76, 115, 95)` looks like.

```
.text, #text, p{  
    color:rgb(76, 115, 95)  
}
```

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(76, 115, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 115, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 19.657, 159.957 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(76, 115, 95) }
```

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

```
.border{ border-color:rgb(76, 115, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 115, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 115, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 115, 95);  
box-shadow:4px 4px 4px 4px rgb(76, 115,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 19.657, 159.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 115, 95) }
```

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

```
.background{ background-color: rgb(76, 115,  
95) }
```

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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