

Converting Colors

CIELCh(45, 19.210, 149.522)

Have a look what the booklet for
CIELCh(45, 19.210, 149.522)
contains.

CIELCh(45, 19.210, 149.522)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 19.210, 149.522)

Conversions

Conversions Part 1

Format	Color
Hex	53725A
RGB	83, 114, 90
RGB Percent	33%, 45%, 35%
CMY	0.6754, 0.5539, 0.6480
CMYK	0.27, 0.00, 0.21, 0.55
HSL	134°, 16%, 39%
HSV	134°, 27%, 45%
XYZ	11.3716, 14.5417, 11.8280
YIQ	101.9950, -10.7720, -14.0360

Conversions

Conversions Part 2

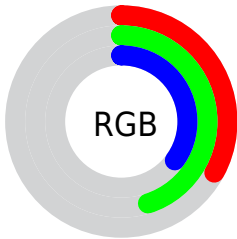
Format	Color
R_{YB}	83, 108, 114
Decimal	5468762
CIE _{Lab}	45.00, -16.56, 9.74
CIE _{LCh}	45, 19.210, 149.522
Yxy	14.5417, 0.3013, 0.3853
Android (android.graphics.Color)	4283658842 (0xFF53725A)
YUV	101.9950, -5.9135, -16.6586
Hunter-Lab	38.1336, -13.5045, 8.3034

Details

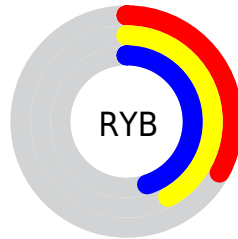
The CIELCh color $45, 19.210, 149.522$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 19.316, 333.141$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 19.290, 149.586$, and $25, 19.405, 148.790$ is the 20% darker color. If you saturate the color by 10%, you get $44, 26.177, 148.601$, and if you desaturate by 10%, it is $46, 12.147, 150.326$.

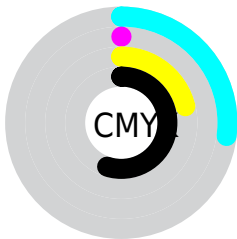
Distribution



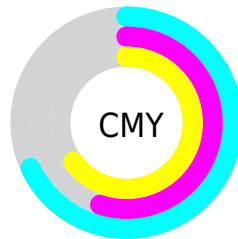
- Red (33%)
- Green (45%)
- Blue (35%)



- Red (33%)
- Yellow (42%)
- Blue (45%)



- Cyan (27%)
- Magenta (0%)
- Yellow (21%)
- Black (55%)





- Cyan (68%)
- Magenta (55%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 19.210, 149.522 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, 19.210, 149.522 by changing the saturation by 10% instead.


 45, 19.210,
149.522


 45, 19.210,
149.522


 100, 19.210,
149.522


 35, 19.210,
149.522

 65, 19.210,
149.522


 25, 19.210,
149.522

 75, 19.210,
149.522

 15, 19.210,
149.522

 85, 19.210,
149.522

 5, 19.210, 149.522

 95, 19.210,
149.522

 0, 19.210, 149.522

 45, 19.210,

 45, 19.210,

149.522

149.522

■ 44, 26.177,
148.601

■ 46, 12.147,
150.326

■ 43, 32.933,
147.545

■ 47, 5.077, 151.044

■ 43, 39.351,
146.342

■ 48, 1.925, 331.501

■ 50, 8.805, 332.117

■ 42, 45.296,
144.985

■ 51, 15.527,
332.597

■ 42, 50.634,
143.486

■ 52, 22.065,
333.017

■ 42, 55.244,
141.879

■ 54, 28.406,
333.390

■ 41, 59.109,
140.318

■ 56, 34.544,
333.725

■ 41, 60.084,
139.963

■ 57, 40.480,

Harmonies

Complementary

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



45, 19.210, 149.522



39, 19.316, 333.141

Rectangle

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



45, 19.210, 149.522



45, 19.210, 199.522



45, 19.210, 329.522



45, 19.210, 19.522

Sweetspot

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



45, 19.211, 149.522



60, 6.957, 150.977



47, 18.367, 116.915



31, 4.917, 150.890



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, 19.211, 149.522



57, 28.808, 148.927



45, 13.277, 174.633



23, 3.902, 150.922



43, 62.526, 139.853



86, 109.414, 138.821

Inverse Universe

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



39, 19.316, 333.141



48, 28.969, 333.586



39, 14.391, 359.895



22, 3.916, 331.958



26, 55.895, 339.247



56, 94.605, 340.041

Previews

White Background



This preview shows how the CIELCh color 45, 19.210, 149.522 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, 19.210, 149.522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

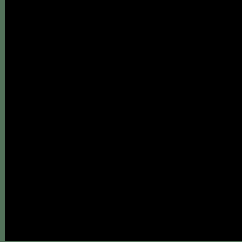
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 19.210, 149.522

Background



This preview shows how black text looks on a background with the CIELCh color 45, 19.210, 149.522.



This preview shows how white text looks on a background with the CIELCh color 45, 19.210, 149.522.

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, 19.210, 149.522

Protanopia

45, 12.263, 93.850

Deuteranopia

45, 10.300, 55.245



Tritanopia
45, 9.670, 232.560

Trichromacy



Original Color
45, 19.210, 149.522

Protanomaly
45, 13.375, 121.417

Deuteranomaly
45, 8.922, 106.118

Tritanomaly
45, 9.931, 187.836

Monochromacy



Original Color
45, 19.210, 149.522

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 6.644, 152.565

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 19.210, 149.522 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(83, 114, 90)` looks like.

```
.text, #text, p{  
    color:rgb(83, 114, 90)  
}
```

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(83, 114, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 114, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 19.210, 149.522 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(83, 114, 90) }
```

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

```
.border{ border-color:rgb(83, 114, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 114, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 114, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 114, 90);  
box-shadow:4px 4px 4px 4px rgb(83, 114,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 19.210, 149.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 114, 90) }
```

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

```
.background{ background-color: rgb(83, 114,  
90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor