

Converting Colors

CIELCh(45, 18.615, 145.151)

Have a look what the booklet for
CIELCh(45, 18.615, 145.151)
contains.

CIELCh(45, 18.692, 144.981)	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, 18.692, 144.981)

Conversions

Conversions Part 1

Format	Color
Hex	567158
RGB	86, 113, 88
RGB Percent	34%, 44%, 35%
CMY	0.6621, 0.5562, 0.6543
CMYK	0.24, 0.00, 0.22, 0.56
HSL	124°, 14%, 39%
HSV	124°, 24%, 44%
XYZ	11.5452, 14.5417, 11.4663
YIQ	102.0770, -8.0670, -13.4990

Conversions

Conversions Part 2

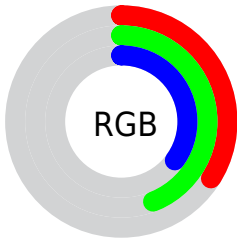
Format	Color
R_{YB}	86, 111, 113
Decimal	5665112
CIE _{Lab}	45.00, -15.31, 10.73
CIE _{LCh}	45, 18.692, 144.981
Yxy	14.5417, 0.3074, 0.3872
Android (android.graphics.Color)	4283855192 (0xFF567158)
YUV	102.0770, -6.9400, -14.0995
Hunter-Lab	38.1336, -12.6917, 8.8658

Details

The CIELCh color $45, 18.692, 144.981$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $40, 18.715, 327.782$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 18.790, 145.253$, and $25, 18.910, 144.178$ is the 20% darker color. If you saturate the color by 10%, you get $44, 26.486, 144.158$, and if you desaturate by 10%, it is $46, 10.828, 145.696$.

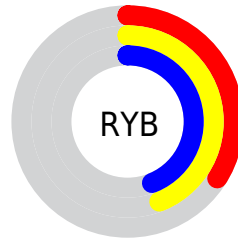
Distribution



Red (34%)

Green (44%)

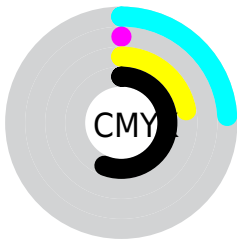
Blue (35%)



Red (34%)

Yellow (44%)

Blue (44%)

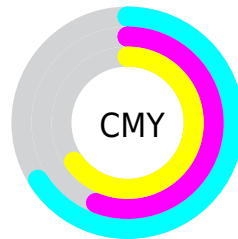


Cyan (24%)

Magenta (0%)

Yellow (22%)

Black (56%)



Cyan (66%)


Magenta (56%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 18.692, 144.981 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, 18.692, 144.981 by changing the saturation by 10% instead.


 45, 18.692,
144.981


 45, 18.692,
144.981


 100, 18.692,
144.981


 35, 18.692,
144.981

 65, 18.692,
144.981


 25, 18.692,
144.981

 75, 18.692,
144.981

 15, 18.692,
144.981


 85, 18.692,
144.981

 5, 18.692, 144.981

 95, 18.692,
144.981

 0, 18.692, 144.981

 45, 18.692,

 45, 18.692,

144.981

144.981

■ 44, 26.486,
144.158

■ 46, 10.828,
145.696

■ 43, 34.075,
143.216

■ 47, 2.995, 146.348

■ 43, 41.296,
142.154

■ 49, 4.729, 326.771

■ 50, 12.290,
327.243

■ 42, 47.957,
140.987

■ 51, 19.652,
327.635

■ 42, 53.843,
139.758

■ 53, 26.796,
327.972

■ 41, 58.722,
138.544

■ 55, 33.712,
328.264

■ 41, 62.392,
137.472

■ 56, 40.397,
328.518

■ 41, 64.123,
137.071

■ 58, 46.856,
328.741

Harmonies

Complementary

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



45, 18.692, 144.981



40, 18.715, 327.782

Rectangle

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



45, 18.692, 144.981



45, 18.692, 194.981



45, 18.692, 324.981



45, 18.692, 14.981

Sweetspot

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



45, 18.693, 144.981



60, 6.779, 146.128



47, 15.839, 110.846



31, 4.378, 146.104



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, 18.693, 144.981



57, 28.279, 144.509



45, 12.935, 165.319



23, 4.349, 146.013



43, 66.908, 137.005



85, 115.739, 136.477

Inverse Universe

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



40, 18.715, 327.782



50, 28.299, 328.104



40, 13.443, 349.555



22, 4.357, 326.956



27, 62.528, 331.289



58, 106.448, 331.478

Previews

White Background



This preview shows how the CIELCh color 45, 18.692, 144.981 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, 18.692, 144.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

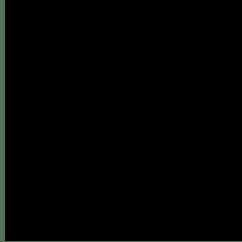
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 18.692, 144.981

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.692, 144.981.



This preview shows how white text looks on a background with the CIELCh color 45, 18.692, 144.981.

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

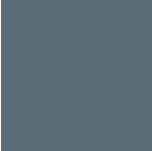
45, 18.692, 144.981

Protanopia

45, 12.837, 94.391

Deuteranopia

45, 11.439, 58.516



Tritanopia
45, 8.541, 237.974

Trichromacy



Original Color
45, 18.692, 144.981

Protanomaly
45, 13.853, 119.098

Deuteranomaly
45, 10.176, 101.340

Tritanomaly
45, 9.034, 183.011

Monochromacy



Original Color
45, 18.692, 144.981

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 6.838, 146.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.692, 144.981 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(86, 113, 88)` looks like.

```
.text, #text, p{  
    color:rgb(86, 113, 88)  
}
```

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(86, 113, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 113, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.692, 144.981 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(86, 113, 88) }
```

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

```
.border{ border-color:rgb(86, 113, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 113, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 113, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 113, 88);  
box-shadow:4px 4px 4px 4px rgb(86, 113,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.692, 144.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 113, 88) }
```

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

```
.background{ background-color: rgb(86, 113,  
88) }
```

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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