

Converting Colors

CIELCh(44, 55.886, 119.241)

Have a look what the booklet for
CIELCh(44, 55.886, 119.241)
contains.

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Color

CIELCh(44, 55.750, 119.359)

Conversions

Conversions Part 1

Format	Color
Hex	507203
RGB	80, 114, 3
RGB Percent	31%, 45%, 1%
CMY	0.6849, 0.5516, 0.9902
CMYK	0.30, 0.00, 0.98, 0.55
HSL	78°, 96%, 23%
HSV	78°, 98%, 45%
XYZ	9.4077, 13.8382, 2.2470
YIQ	91.1800, 15.3670, -41.7290

Conversions

Conversions Part 2

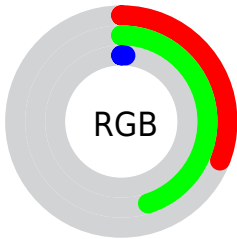
Format	Color
R_{YB}	3, 114, 37
Decimal	5272067
CIE Lab	44.00, -27.33, 48.59
CIE LCh	44, 55.750, 119.359
Yxy	13.8382, 0.3690, 0.5428
Android (android.graphics.Color)	4283462147 (0xFF507203)
YUV	91.1800, -43.4727, -9.8049
Hunter-Lab	37.1997, -19.9573, 22.4585

Details

The CIELCh color $44, 55.750, 119.359$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $14, 70.183, 308.642$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 55.439, 119.441$, and $24, 40.922, 128.397$ is the 20% darker color. If you saturate the color by 10%, you get $44, 56.403, 119.454$, and if you desaturate by 10%, it is $44, 52.831, 118.845$.

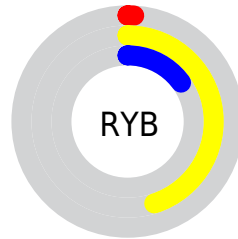
Distribution



Red (31%)

Green (45%)

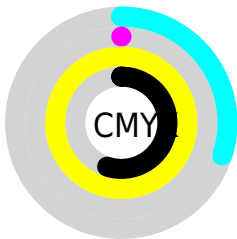
Blue (1%)



Red (1%)

Yellow (45%)

Blue (15%)

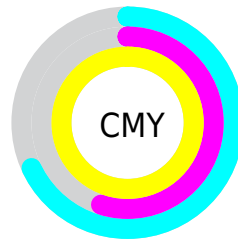


Cyan (30%)

Magenta (0%)

Yellow (98%)

Black (55%)



Cyan (68%)


Magenta (55%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 55.750, 119.359 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 44, 55.750, 119.359 by changing the saturation by 10% instead.


 44, 55.750,
119.359


 44, 55.750,
119.359


 100, 55.750,
119.359


 34, 55.750,
119.359

 64, 55.750,
119.359


 24, 55.750,
119.359

 74, 55.750,
119.359

 14, 55.750,
119.359

 84, 55.750,
119.359

 4, 55.750, 119.359

 94, 55.750,
119.359

 0, 55.750, 119.359

 44, 55.750,

 44, 55.750,

119.359

119.359

■ 44, 56.403,
119.454

■ 44, 52.831,
118.845

■ 45, 48.985,
118.595

■ 45, 44.096,
118.662

■ 45, 38.444,
118.949

■ 46, 32.276,
119.375

■ 46, 25.776,
119.882

■ 47, 19.072,
120.428

■ 47, 12.251,
120.986

Harmonies

Complementary

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



44, 55.750, 119.359



14, 70.183, 308.642

Rectangle

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



44, 55.750, 119.359



44, 55.750, 169.359



44, 55.750, 299.359



44, 55.750, 349.359

Sweetspot

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



44, 55.750, 119.361



59, 24.537, 120.321



26, 49.438, 47.985



30, 16.698, 120.140



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 55.750, 119.361



56, 68.069, 119.815



42, 63.992, 134.288



23, 3.812, 121.474



46, 58.355, 119.526



90, 100.171, 120.333

Inverse Universe

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



14, 70.183, 308.642



19, 86.273, 308.540



22, 64.387, 321.041



21, 3.878, 302.444



14, 73.914, 308.731



34, 127.082, 308.215

Previews

White Background



This preview shows how the CIELCh color 44, 55.750, 119.359 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 44, 55.750, 119.359 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 44, 55.750, 119.359

Background



This preview shows how black text looks on a background with the CIELCh color 44, 55.750, 119.359.



This preview shows how white text looks on a background with the CIELCh color 44, 55.750, 119.359.

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

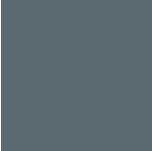
44, 55.534, 119.447

Protanopia

44, 50.578, 95.485

Deuteranopia

44, 45.291, 82.375



Tritanopia
44, 7.758, 243.184

Trichromacy



Original Color
44, 55.534, 119.447

Protanomaly
44, 51.299, 105.075

Deuteranomaly
43, 46.647, 97.878

Tritanomaly
43, 22.838, 132.035

Monochromacy



Original Color
44, 55.534, 119.447

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 24.409, 119.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 55.750, 119.359 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(80, 114, 3)` looks like.

```
.text, #text, p{  
    color:rgb(80, 114, 3)  
}
```

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(80, 114, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 114, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 55.750, 119.359 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(80, 114, 3) }
```

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

```
.border{ border-color:rgb(80, 114, 3) }
```

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

Here you see how a box with a 4 pixel rgb(80, 114, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 114, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 114, 3);  
box-shadow:4px 4px 4px 4px rgb(80, 114, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 55.750, 119.359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 114, 3) }
```

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

```
.background{ background-color: rgb(80, 114,  
3) }
```

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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