

Converting Colors

CIELCh(44, 19.207, 154.091)

Have a look what the booklet for
CIELCh(44, 19.207, 154.091)
contains.

CIELCh(44, 19.178, 154.115)	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(44, 19.178, 154.115)

Conversions

Conversions Part 1

Format	Color
Hex	4E705A
RGB	78, 112, 90
RGB Percent	31%, 44%, 35%
CMY	0.6956, 0.5623, 0.6485
CMYK	0.30, 0.00, 0.20, 0.56
HSL	141°, 18%, 37%
HSV	141°, 30%, 44%
XYZ	10.6920, 13.8382, 11.6972
YIQ	99.3260, -13.2020, -14.0500

Conversions

Conversions Part 2

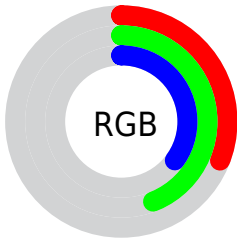
Format	Color
R_{YB}	78, 103, 112
Decimal	5140570
CIE Lab	44.00, -17.25, 8.37
CIE LCh	44, 19.178, 154.115
Yxy	13.8382, 0.2951, 0.3820
Android (android.graphics.Color)	4283330650 (0xFF4E705A)
YUV	99.3260, -4.5977, -18.7029
Hunter-Lab	37.1997, -13.7946, 7.3966

Details

The CIELCh color $44, 19.178, 154.115$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 19.474, 338.736$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 19.266, 153.990$, and $24, 19.290, 153.364$ is the 20% darker color. If you saturate the color by 10%, you get $43, 25.324, 153.094$, and if you desaturate by 10%, it is $45, 12.902, 155.014$.

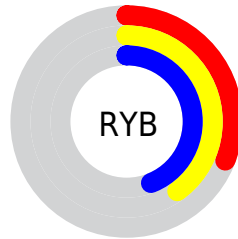
Distribution



Red (31%)

Green (44%)

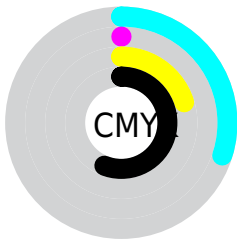
Blue (35%)



Red (31%)

Yellow (40%)

Blue (44%)

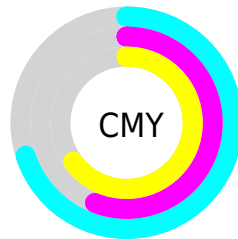


Cyan (30%)

Magenta (0%)

Yellow (20%)

Black (56%)



Cyan (70%)


Magenta (56%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 19.178, 154.115 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, 19.178, 154.115 by changing the saturation by 10% instead.


 44, 19.178,
154.115


 44, 19.178,
154.115


 100, 19.178,
154.115


 34, 19.178,
154.115

 64, 19.178,
154.115


 24, 19.178,
154.115

 74, 19.178,
154.115

 14, 19.178,
154.115


 84, 19.178,
154.115

 4, 19.178, 154.115

 94, 19.178,
154.115

 0, 19.178, 154.115

 44, 19.178,

 44, 19.178,

154.115

■ 43, 25.324,
153.094

■ 43, 31.239,
151.933

■ 42, 36.822,
150.613

■ 41, 41.970,
149.119

■ 41, 46.599,
147.448

■ 41, 50.648,
145.615

■ 41, 54.131,
143.942

154.115

■ 45, 12.902,
155.014

■ 46, 6.579, 155.821

■ 47, 0.278, 157.322

■ 48, 5.946, 337.073

■ 50, 12.053,
337.655

■ 51, 18.014,
338.171

■ 52, 23.814,
338.639

■ 54, 29.441,
339.066

■ 55, 34.892,

339.460

Harmonies

Complementary

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



44, 19.178, 154.115



37, 19.474, 338.736

Rectangle

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



44, 19.178, 154.115



44, 19.178, 204.115



44, 19.178, 334.115



44, 19.178, 24.115

Sweetspot

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



44, 19.179, 154.114



59, 7.031, 155.915



45, 20.624, 122.112



31, 4.927, 155.824



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, 19.179, 154.114



56, 28.819, 153.358



44, 13.408, 184.653



23, 3.553, 155.933



44, 57.182, 143.761



86, 100.506, 142.483

Inverse Universe

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



37, 19.474, 338.736



46, 29.323, 339.375



37, 15.402, 10.226



22, 3.575, 337.088



25, 51.551, 347.949



54, 87.104, 349.505

Previews

White Background



This preview shows how the CIELCh color 44, 19.178, 154.115 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, 19.178, 154.115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

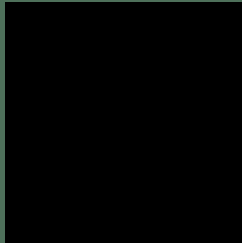
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 19.178, 154.115

Background



This preview shows how black text looks on a background with the CIELCh color 44, 19.178, 154.115.



This preview shows how white text looks on a background with the CIELCh color 44, 19.178, 154.115.

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, 19.178, 154.115

Protanopia

44, 10.602, 91.753

Deuteranopia

44, 9.251, 51.105



Tritanopia
44, 10.562, 229.390

Trichromacy



Original Color
44, 19.178, 154.115

Protanomaly
44, 11.845, 125.449

Deuteranomaly
44, 7.772, 112.212

Tritanomaly
44, 10.875, 191.785

Monochromacy



Original Color
44, 19.178, 154.115

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 7.257, 157.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 19.178, 154.115 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(78, 112, 90)` looks like.

```
.text, #text, p{  
    color:rgb(78, 112, 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(78, 112, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 112, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 19.178, 154.115 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(78, 112, 90) }
```

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

```
.border{ border-color:rgb(78, 112, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 112, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 112, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 112, 90);  
box-shadow:4px 4px 4px 4px rgb(78, 112,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 19.178, 154.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 112, 90) }
```

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

```
.background{ background-color: rgb(78, 112,  
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