

Converting Colors

CIELCh(45, 13.492, 148.178)

Have a look what the booklet for
CIELCh(45, 13.492, 148.178)
contains.

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Color

CIELCh(45, 13.856, 147.436)

Conversions

Conversions Part 1

Format	Color
Hex	5B705E
RGB	91, 112, 94
RGB Percent	36%, 44%, 37%
CMY	0.6442, 0.5619, 0.6324
CMYK	0.19, 0.00, 0.16, 0.56
HSL	129°, 10%, 40%
HSV	129°, 19%, 44%
XYZ	12.0605, 14.5417, 12.6984
YIQ	103.6690, -6.7380, -10.0500

Conversions

Conversions Part 2

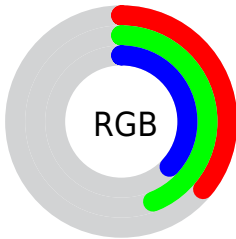
Format	Color
R_{YB}	91, 109, 112
Decimal	5992542
CIE _{Lab}	45.00, -11.68, 7.46
CIE _{LCh}	45, 13.856, 147.436
Yxy	14.5417, 0.3069, 0.3700
Android (android.graphics.Color)	4284182622 (0xFF5B705E)
YUV	103.6690, -4.7668, -11.1107
Hunter-Lab	38.1336, -10.2798, 6.9501

Details

The CIELCh color **45, 13.856, 147.436** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 13.891, 329.667**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 14.267, 147.345**, and **25, 13.663, 147.238** is the 20% darker color. If you saturate the color by 10%, you get **44, 21.249, 146.650**, and if you desaturate by 10%, it is **46, 6.451, 148.127**.

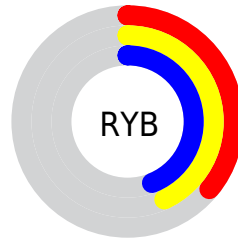
Distribution



 Red (36%)

 Green (44%)

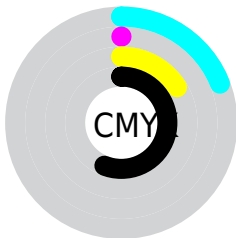
 Blue (37%)



 Red (36%)

 Yellow (43%)

 Blue (44%)

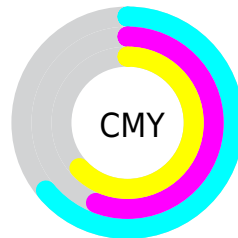


 Cyan (19%)


 Magenta (0%)

 Yellow (16%)

 Black (56%)



 Cyan (64%)


 Magenta (56%)

 Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 13.856, 147.436 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, 13.856, 147.436 by changing the saturation by 10% instead.


 45, 13.856,
147.436


 45, 13.856,
147.436


 100, 13.856,
147.436


 35, 13.856,
147.436

 65, 13.856,
147.436


 25, 13.856,
147.436

 75, 13.856,
147.436

 15, 13.856,
147.436


 85, 13.856,
147.436

 5, 13.856, 147.436

 95, 13.856,
147.436

 0, 13.856, 147.436

 45, 13.856,

 45, 13.856,

147.436

147.436

■ 44, 21.249,
146.650

■ 46, 6.451, 148.127

■ 43, 28.523,
145.747

■ 47, 0.888, 328.464

■ 49, 8.100, 329.162

■ 42, 35.550,
144.713

■ 50, 15.144,
329.612

■ 42, 42.179,
143.544

■ 51, 21.993,
330.000

■ 41, 48.247,
142.253

■ 53, 28.634,
330.339

■ 41, 53.579,
140.871

■ 55, 35.060,
330.638

■ 41, 58.007,
139.466

■ 56, 41.272,
330.903

■ 41, 61.509,
138.277

■ 58, 47.275,

■ 41, 61.882,
138.173

331.139

Harmonies

Complementary

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



45, 13.856, 147.436



41, 13.891, 329.667

Rectangle

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



45, 13.856, 147.436



45, 13.856, 197.436



45, 13.856, 327.436



45, 13.856, 17.436

Sweetspot

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



45, 13.857, 147.436



59, 5.452, 148.301



46, 12.417, 114.045



31, 3.646, 148.270



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, 13.857, 147.436



57, 21.065, 147.071



45, 9.640, 169.870



23, 4.142, 148.112



43, 65.245, 138.054



85, 113.541, 137.270

Inverse Universe

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



41, 13.891, 329.667



51, 21.117, 329.951



41, 10.032, 353.221



22, 4.153, 329.091



27, 59.368, 334.596



57, 100.780, 335.020

Previews

White Background



This preview shows how the CIELCh color 45, 13.856, 147.436 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, 13.856, 147.436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

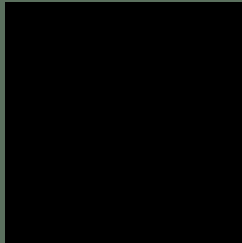
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.856, 147.436

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.856, 147.436.



This preview shows how white text looks on a background with the CIELCh color 45, 13.856, 147.436.

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

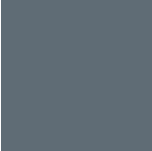
45, 13.856, 147.436

Protanopia

45, 9.279, 92.558

Deuteranopia

45, 8.597, 44.635



Tritanopia
45, 7.229, 247.244

Trichromacy



Original Color
45, 13.856, 147.436

Protanomaly
45, 9.651, 119.041

Deuteranomaly
45, 6.657, 98.122

Tritanomaly
45, 6.310, 198.718

Monochromacy



Original Color
45, 13.856, 147.436

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.634, 148.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.856, 147.436 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(91, 112, 94)` looks like.

```
.text, #text, p{  
    color:rgb(91, 112, 94)  
}
```

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(91, 112, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 112, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.856, 147.436 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(91, 112, 94) }
```

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

```
.border{ border-color:rgb(91, 112, 94) }
```

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

Here you see how a box with a 4 pixel rgb(91, 112, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 112, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 112, 94);  
box-shadow:4px 4px 4px 4px rgb(91, 112,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.856, 147.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 112, 94) }
```

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

```
.background{ background-color: rgb(91, 112,  
94) }
```

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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