

Converting Colors

CIELCh(45, 18.907, 143.037)

Have a look what the booklet for
CIELCh(45, 18.907, 143.037)
contains.

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Color

CIELCh(45, 18.937, 143.023)

Conversions

Conversions Part 1

Format	Color
Hex	577157
RGB	87, 113, 87
RGB Percent	34%, 44%, 34%
CMY	0.6586, 0.5566, 0.6586
CMYK	0.23, 0.00, 0.23, 0.56
HSL	120°, 13%, 39%
HSV	120°, 23%, 44%
XYZ	11.5704, 14.5417, 11.2261
YIQ	102.2620, -7.1500, -13.5980

Conversions

Conversions Part 2

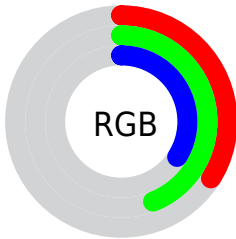
Format	Color
RYB	87, 113, 113
Decimal	5730647
CIELab	45.00, -15.13, 11.39
CIELCh	45, 18.937, 143.023
Yxy	14.5417, 0.3099, 0.3895
Android (android.graphics.Color)	4283920727 (0xFF577157)
YUV	102.2620, -7.5242, -13.3848
Hunter-Lab	38.1336, -12.5740, 9.2393

Details

The CIELCh color **45, 18.937, 143.023** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 18.949, 325.624**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 19.018, 143.410**, and **25, 18.652, 143.237** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.133, 142.229**, and if you desaturate by 10%, it is **46, 10.670, 143.713**.

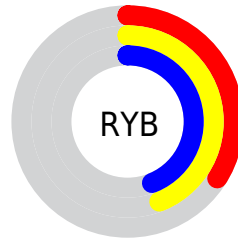
Distribution



Red (34%)

Green (44%)

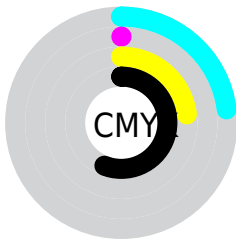
Blue (34%)



Red (34%)

Yellow (44%)

Blue (44%)

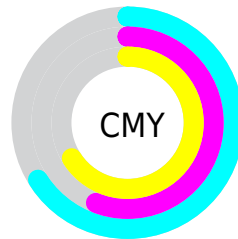


Cyan (23%)

Magenta (0%)

Yellow (23%)

Black (56%)



Cyan (66%)


Magenta (56%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 18.937, 143.023 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, 18.937, 143.023 by changing the saturation by 10% instead.


 45, 18.937,
143.023


 45, 18.937,
143.023


 100, 18.937,
143.023


 35, 18.937,
143.023

 65, 18.937,
143.023


 25, 18.937,
143.023

 75, 18.937,
143.023

 15, 18.937,
143.023


 85, 18.937,
143.023

 5, 18.937, 143.023

 95, 18.937,
143.023

 0, 18.937, 143.023

 45, 18.937,

 45, 18.937,

143.023

■ 44, 27.133,
142.229

■ 43, 35.106,
141.326

■ 43, 42.668,
140.322

■ 42, 49.586,
139.251

■ 42, 55.586,
138.182

■ 41, 60.368,
137.223

■ 41, 63.693,
136.492

■ 41, 65.739,
136.016

143.023

■ 46, 10.670,
143.713

■ 47, 2.442, 144.352

■ 49, 5.664, 324.751

■ 50, 13.592,
325.194

■ 52, 21.305,
325.561

■ 53, 28.785,
325.872

■ 55, 36.021,
326.138

■ 57, 43.014,
326.367

■ 58, 49.770,
326.564

Harmonies

Complementary

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



45, 18.937, 143.023



40, 18.949, 325.624

Rectangle

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



45, 18.937, 143.023



45, 18.937, 193.023



45, 18.937, 323.023



45, 18.937, 13.023

Sweetspot

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



45, 18.938, 143.023



60, 7.133, 144.078



47, 14.993, 107.371



31, 4.606, 144.055



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, 18.938, 143.023



57, 28.727, 142.580



45, 13.273, 160.863



23, 4.576, 143.966



43, 68.534, 136.016



85, 117.046, 136.016

Inverse Universe

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



40, 18.949, 325.624



50, 28.730, 325.918



40, 13.611, 344.654



22, 4.583, 324.885



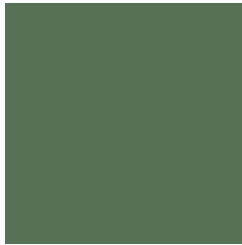
28, 66.124, 328.232



59, 112.931, 328.232

Previews

White Background



This preview shows how the CIELCh color 45, 18.937, 143.023 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, 18.937, 143.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

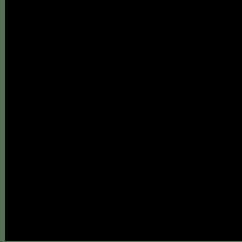
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 18.937, 143.023

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.937, 143.023.



This preview shows how white text looks on a background with the CIELCh color 45, 18.937, 143.023.

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

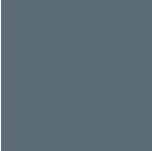
45, 18.937, 143.023

Protanopia

45, 13.413, 94.878

Deuteranopia

45, 11.849, 60.591



Tritanopia
45, 8.265, 239.570

Trichromacy



Original Color
45, 18.937, 143.023

Protanomaly
45, 14.349, 116.915

Deuteranomaly
45, 10.763, 101.637

Tritanomaly
45, 8.132, 185.714

Monochromacy



Original Color
45, 18.937, 143.023

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 6.590, 144.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.937, 143.023 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(87, 113, 87)` looks like.

```
.text, #text, p{  
    color:rgb(87, 113, 87)  
}
```

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(87, 113, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 113, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.937, 143.023 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(87, 113, 87) }
```

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

```
.border{ border-color:rgb(87, 113, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 113, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 113, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 113, 87);  
box-shadow:4px 4px 4px 4px rgb(87, 113,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.937, 143.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 113, 87) }
```

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

```
.background{ background-color: rgb(87, 113,  
87) }
```

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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