

Converting Colors

CIELCh(45, 18.853, 153.913)

Have a look what the booklet for
CIELCh(45, 18.853, 153.913)
contains.

CIELCh(45, 18.847, 153.432)	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, 18.847, 153.432)

Conversions

Conversions Part 1

Format	Color
Hex	51725C
RGB	81, 114, 92
RGB Percent	32%, 45%, 36%
CMY	0.6826, 0.5531, 0.6394
CMYK	0.29, 0.00, 0.19, 0.55
HSL	140°, 17%, 38%
HSV	140°, 29%, 45%
XYZ	11.3299, 14.5417, 12.3233
YIQ	101.6250, -12.6060, -13.8380

Conversions

Conversions Part 2

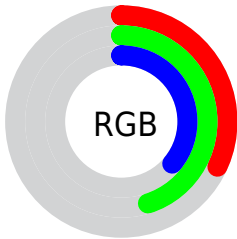
Format	Color
R_{YB}	81, 106, 114
Decimal	5337692
CIE Lab	45.00, -16.86, 8.43
CIE LCh	45, 18.847, 153.432
Yxy	14.5417, 0.2966, 0.3807
Android (android.graphics.Color)	4283527772 (0xFF51725C)
YUV	101.6250, -4.7451, -18.0881
Hunter-Lab	38.1336, -13.6995, 7.5333

Details

The CIELCh color **45, 18.847, 153.432** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 19.093, 337.718**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 18.961, 153.292**, and **25, 18.948, 152.815** is the 20% darker color. If you saturate the color by 10%, you get **44, 25.227, 152.437**, and if you desaturate by 10%, it is **46, 12.350, 154.307**.

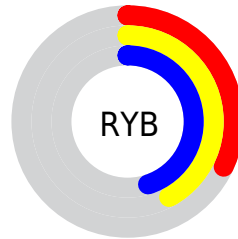
Distribution



Red (32%)

Green (45%)

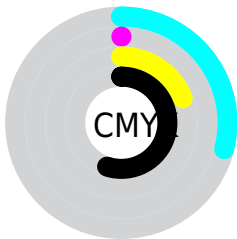
Blue (36%)



Red (32%)

Yellow (42%)

Blue (45%)

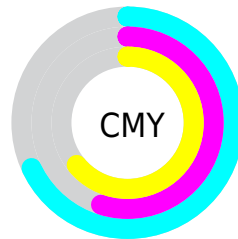


Cyan (29%)

Magenta (0%)

Yellow (19%)

Black (55%)



Cyan (68%)

Magenta (55%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 18.847, 153.432 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, 18.847, 153.432 by changing the saturation by 10% instead.


 45, 18.847,
153.432


 45, 18.847,
153.432


 100, 18.847,
153.432


 35, 18.847,
153.432

 65, 18.847,
153.432


 25, 18.847,
153.432

 75, 18.847,
153.432

 15, 18.847,
153.432

 85, 18.847,
153.432

 5, 18.847, 153.432

 95, 18.847,
153.432

 0, 18.847, 153.432

 45, 18.847,

 45, 18.847,

153.432

153.432

■ 44, 25.227,
152.437

■ 46, 12.350,
154.307

■ 43, 31.387,
151.304

■ 47, 5.818, 155.094

■ 43, 37.218,
150.013

■ 48, 0.677, 335.391

■ 49, 7.081, 336.304

■ 42, 42.613,
148.551

■ 51, 13.356,
336.862

■ 42, 47.477,
146.915

■ 52, 19.475,
337.357

■ 42, 51.737,
145.119

■ 54, 25.422,
337.805

■ 41, 55.493,
143.350

■ 55, 31.188,
338.214

■ 41, 55.871,
143.187

■ 57, 36.771,

Harmonies

Complementary

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



45, 18.847, 153.432



39, 19.093, 337.718

Rectangle

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



45, 18.847, 153.432



45, 18.847, 203.432



45, 18.847, 333.432



45, 18.847, 23.432

Sweetspot

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



45, 18.848, 153.431



60, 7.237, 155.073



46, 19.901, 121.532



31, 4.999, 154.985



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, 18.848, 153.431



57, 28.120, 152.755



45, 13.130, 183.401



23, 3.605, 155.092



44, 58.084, 143.062



86, 102.053, 141.812

Inverse Universe

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



39, 19.093, 337.718



47, 28.534, 338.281



38, 14.885, 8.763



22, 3.626, 336.227



25, 52.130, 346.469



55, 88.077, 347.893

Previews

White Background



This preview shows how the CIELCh color 45, 18.847, 153.432 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, 18.847, 153.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

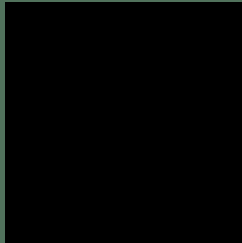
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 18.847, 153.432

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.847, 153.432.



This preview shows how white text looks on a background with the CIELCh color 45, 18.847, 153.432.

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, 18.847, 153.432

Protanopia

45, 11.002, 94.788

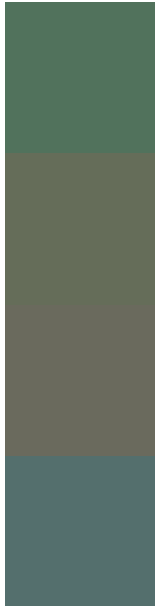
Deuteranopia

45, 9.599, 49.784



Tritanopia
45, 10.252, 230.350

Trichromacy



Original Color
45, 18.847, 153.432

Protanomaly
45, 12.352, 124.641

Deuteranomaly
44, 7.730, 109.063

Tritanomaly
45, 10.500, 191.643

Monochromacy



Original Color
45, 18.847, 153.432

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 6.934, 154.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.847, 153.432 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(81, 114, 92)` looks like.

```
.text, #text, p{  
    color:rgb(81, 114, 92)  
}
```

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(81, 114, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 114, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.847, 153.432 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(81, 114, 92) }
```

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

```
.border{ border-color:rgb(81, 114, 92) }
```

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

Here you see how a box with a 4 pixel rgb(81, 114, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 114, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 114, 92);  
box-shadow:4px 4px 4px 4px rgb(81, 114,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.847, 153.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 114, 92) }
```

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

```
.background{ background-color: rgb(81, 114,  
92) }
```

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