

Converting Colors

CIELCh(63, 45.167, 133.223)

Have a look what the booklet for
CIELCh(63, 45.167, 133.223)
contains.

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Color

CIELCh(63, 45.207, 133.210)

Conversions

Conversions Part 1

Format	Color
Hex	73A65C
RGB	115, 166, 92
RGB Percent	45%, 65%, 36%
CMY	0.5499, 0.3499, 0.6400
CMYK	0.31, 0.00, 0.45, 0.35
HSL	101°, 29%, 51%
HSV	101°, 45%, 65%
XYZ	22.5572, 31.5869, 14.9844
YIQ	142.3150, -6.6420, -33.8260

Conversions

Conversions Part 2

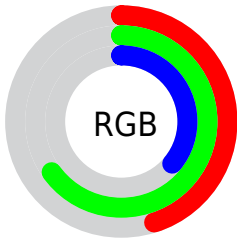
Format	Color
R_{YB}	92, 166, 143
Decimal	7579228
CIE _{Lab}	63.00, -30.95, 32.95
CIE _{LCh}	63, 45.207, 133.210
Yxy	31.5869, 0.3263, 0.4569
Android (android.graphics.Color)	4285769308 (0xFF73A65C)
YUV	142.3150, -24.8053, -23.9553
Hunter-Lab	56.2022, -26.7117, 23.5339

Details

The CIELCh color $63, 45.207, 133.210$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $47, 46.764, 317.257$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 45.131, 132.982$, and $43, 45.193, 133.163$ is the 20% darker color. If you saturate the color by 10%, you get $62, 54.671, 132.692$, and if you desaturate by 10%, it is $64, 35.303, 133.753$.

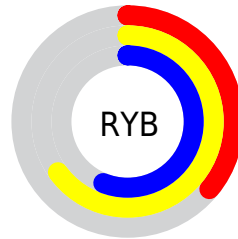
Distribution



Red (45%)

Green (65%)

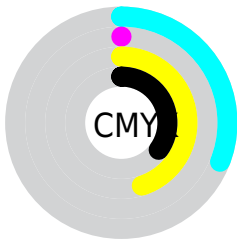
Blue (36%)



Red (36%)

Yellow (65%)

Blue (56%)

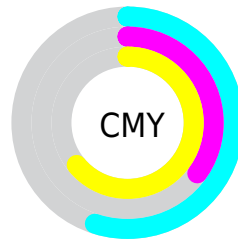


Cyan (31%)

Magenta (0%)

Yellow (45%)

Black (35%)



Cyan (55%)


Magenta (35%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 45.207, 133.210 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 63, 45.207, 133.210 by changing the saturation by 10% instead.


 63, 45.207,
133.210


 63, 45.207,
133.210


 100, 45.207,
133.210


 53, 45.207,
133.210


 83, 45.207,
133.210

 43, 45.207,
133.210

 93, 45.207,
133.210

 33, 45.207,
133.210

 23, 45.207,
133.210

 13, 45.207,
133.210

 3, 45.207, 133.210

 0, 45.207, 133.210

■ 63, 45.207,
133.210

■ 63, 45.207,
133.210

■ 62, 54.671,
132.692

■ 64, 35.303,
133.753

■ 61, 63.412,
132.262

■ 65, 25.158,
134.280

■ 61, 71.063,
132.018

■ 66, 14.922,
134.773

■ 60, 77.196,
132.083

■ 67, 4.698, 135.239

■ 60, 81.464,
132.558

■ 69, 5.436, 315.573

■ 60, 83.275,
132.845

■ 70, 15.427,
315.939

■ 72, 25.239,
316.247

■ 73, 34.848,
316.512

■ 75, 44.240,
316.741

Harmonies

Complementary

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



63, 45.207, 133.210



47, 46.764, 317.257

Rectangle

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



63, 45.207, 133.210



63, 45.207, 183.210



63, 45.207, 313.210



63, 45.207, 3.210

Sweetspot

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



63, 45.208, 133.211



85, 16.485, 134.838



60, 30.175, 86.719



45, 11.636, 134.737



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



63, 45.208, 133.211



79, 67.179, 132.674



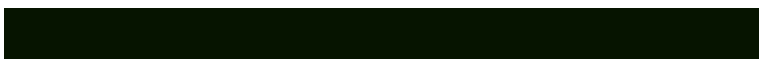
62, 43.749, 146.247



35, 5.831, 135.021



54, 76.468, 132.719



5, 10.759, 136.758

Inverse Universe

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



47, 46.764, 317.257



56, 69.945, 317.615



49, 43.762, 332.781



33, 5.880, 315.759



27, 79.857, 317.197



1, 10.425, 312.935

Previews

White Background



This preview shows how the CIELCh color 63, 45.207, 133.210 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 63, 45.207, 133.210 looks on a black 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 ✓ Pass

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

CIELCh 63, 45.207, 133.210

Background



This preview shows how black text looks on a background with the CIELCh color 63, 45.207, 133.210.



This preview shows how white text looks on a background with the CIELCh color 63, 45.207, 133.210.

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
63, 45.207, 133.210

Protanopia
63, 36.208, 95.609

Deuteranopia
63, 31.899, 75.293



Tritanopia
63, 12.305, 231.892

Trichromacy



Original Color
63, 45.207, 133.210

Protanomaly
63, 37.135, 112.137

Deuteranomaly
62, 31.907, 102.709

Tritanomaly
63, 17.686, 160.939

Monochromacy



Original Color
63, 45.207, 133.210

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 16.984, 135.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 45.207, 133.210 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(115, 166, 92)` looks like.

```
.text, #text, p{  
    color:rgb(115, 166, 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(115, 166, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 166, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 45.207, 133.210 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(115, 166, 92) }
```

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

```
.border{ border-color:rgb(115, 166, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 166, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 166, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 166, 92);  
box-shadow:4px 4px 4px 4px rgb(115, 166,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 45.207, 133.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 166, 92) }
```

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

```
.background{ background-color: rgb(115,  
166, 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](#).

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