

Converting Colors

CIELCh(45, 5.535, 131.771)

Have a look what the booklet for
CIELCh(45, 5.535, 131.771) contains.

CIELCh(45, 5.210, 133.041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 5.210, 133.041)

Conversions

Conversions Part 1

Format	Color
Hex	676C64
RGB	103, 108, 100
RGB Percent	40%, 42%, 39%
CMY	0.5959, 0.5763, 0.6077
CMYK	0.05, 0.00, 0.07, 0.58
HSL	98°, 4%, 41%
HSV	98°, 7%, 42%
XYZ	13.2682, 14.5417, 14.1752
YIQ	105.5930, -0.4120, -3.5480

Conversions

Conversions Part 2

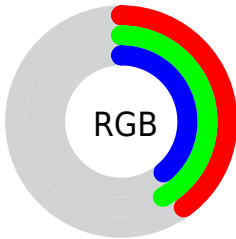
Format	Color
R_{YB}	100, 108, 105
Decimal	6777956
CIE Lab	45.00, -3.56, 3.81
CIE LCh	45, 5.210, 133.041
Yxy	14.5417, 0.3160, 0.3464
Android (android.graphics.Color)	4284968036 (0xFF676C64)
YUV	105.5930, -2.7573, -2.2741
Hunter-Lab	38.1336, -4.6263, 4.6540

Details

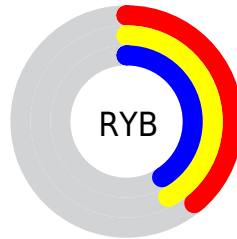
The CIELCh color **45, 5.210, 133.041** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 5.256, 313.585**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 4.852, 133.137**, and **25, 5.753, 132.841** is the 20% darker color. If you saturate the color by 10%, you get **44, 12.286, 132.609**, and if you desaturate by 10%, it is **46, 1.824, 313.357**.

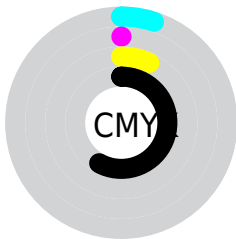
Distribution



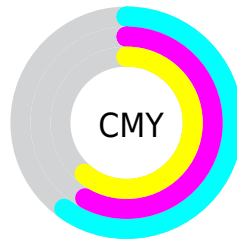
- Red (40%)
- Green (42%)
- Blue (39%)



- Red (39%)
- Yellow (42%)
- Blue (41%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (58%)



- Cyan (60%)
- Magenta (58%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 5.210, 133.041 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, 5.210, 133.041 by changing the saturation by 10% instead.

■ 45, 5.210, 133.041

■ 45, 5.210, 133.041

■ 100, 5.210,
133.041

■ 35, 5.210, 133.041

■ 65, 5.210, 133.041

■ 25, 5.210, 133.041

■ 75, 5.210, 133.041

■ 15, 5.210, 133.041

■ 85, 5.210, 133.041

■ 5, 5.210, 133.041

■ 95, 5.210, 133.041

■ 0, 5.210, 133.041

■ 45, 5.210, 133.041

■ 45, 5.210, 133.041

■ 44, 12.286,
132.609

■ 46, 1.824, 313.357

■ 43, 19.350,

■ 47, 8.786, 313.750

132.148

■ 48, 15.649,
314.065

■ 43, 26.337,
131.670

■ 49, 22.395,
314.342

■ 42, 33.153,
131.194

■ 50, 29.013,
314.584

■ 42, 39.668,
130.760

■ 51, 35.497,
314.797

■ 41, 45.703,
130.428

■ 52, 41.843,
314.982

■ 41, 51.025,
130.287

■ 53, 48.050,
315.143

■ 40, 55.361,
130.445

■ 55, 54.119,
315.284

■ 40, 58.798,
130.809

Harmonies

Complementary

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



45, 5.210, 133.041



43, 5.256, 313.585

Rectangle

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



45, 5.210, 133.041



45, 5.210, 183.041



45, 5.210, 313.041



45, 5.210, 3.041

Sweetspot

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



45, 5.211, 133.045



58, 1.734, 133.308



45, 3.199, 85.985



30, 0.993, 133.320



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 5.211, 133.045



57, 7.850, 132.965



45, 5.382, 147.394



22, 3.928, 132.978



43, 63.384, 130.986



86, 110.133, 131.839

Inverse Universe

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



43, 5.256, 313.585



54, 7.926, 313.662



43, 5.396, 328.156



20, 3.965, 313.650



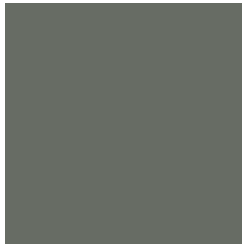
19, 68.262, 315.533



43, 117.973, 314.924

Previews

White Background



This preview shows how the CIELCh color 45, 5.210, 133.041 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 CIE LCh color 45, 5.210, 133.041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

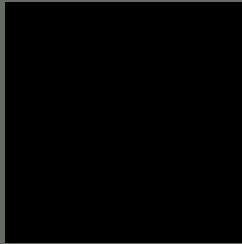
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

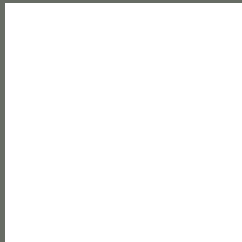
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 5.210, 133.041

Background



This preview shows how black text looks on a background with the CIELCh color 45, 5.210, 133.041.



This preview shows how white text looks on a background with the CIELCh color 45, 5.210, 133.041.

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, 5.210, 133.041

Protanopia

45, 4.482, 87.403

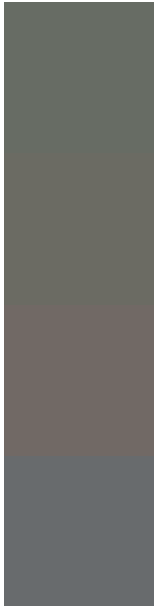
Deuteranopia

45, 6.912, 30.038



Tritanopia
45, 4.787, 286.098

Trichromacy



Original Color

45, 5.210, 133.041

Protanomaly

45, 4.751, 109.495

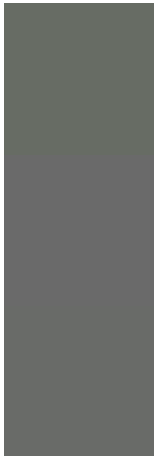
Deuteranomaly

45, 4.121, 54.829

Tritanomaly

45, 1.689, 244.520

Monochromacy



Original Color

45, 5.210, 133.041

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.971, 134.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 5.210, 133.041 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(103, 108, 100)` looks like.

```
.text, #text, p{  
    color:rgb(103, 108, 100)  
}
```

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(103, 108, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 108, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 5.210, 133.041 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(103, 108, 100) }
```

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

```
.border{ border-color:rgb(103, 108, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 108, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 108, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 108, 100);  
box-shadow:4px 4px 4px 4px rgb(103, 108,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 5.210, 133.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 108, 100) }
```

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

```
.background{ background-color: rgb(103,  
108, 100) }
```

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