

Converting Colors

CIELCh(45, 13.030, 153.535)

Have a look what the booklet for
CIELCh(45, 13.030, 153.535)
contains.

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Color

CIELCh(45, 13.481, 153.008)

Conversions

Conversions Part 1

Format	Color
Hex	597060
RGB	89, 112, 96
RGB Percent	35%, 44%, 38%
CMY	0.6512, 0.5610, 0.6237
CMYK	0.21, 0.00, 0.14, 0.56
HSL	138°, 11%, 39%
HSV	138°, 21%, 44%
XYZ	12.0123, 14.5417, 13.2277
YIQ	103.2990, -8.5720, -9.8520

Conversions

Conversions Part 2

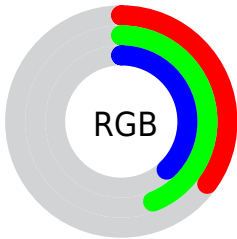
Format	Color
R_{YB}	89, 107, 112
Decimal	5861472
CIE _{Lab}	45.00, -12.01, 6.12
CIE _{LCh}	45, 13.481, 153.008
Yxy	14.5417, 0.3020, 0.3655
Android (android.graphics.Color)	4284051552 (0xFF597060)
YUV	103.2990, -3.5984, -12.5402
Hunter-Lab	38.1336, -10.5052, 6.1271

Details

The CIELCh color $45, 13.481, 153.008$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 13.594, 335.819$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 13.913, 152.435$, and $25, 13.237, 153.312$ is the 20% darker color. If you saturate the color by 10%, you get $44, 20.024, 152.131$, and if you desaturate by 10%, it is $46, 6.900, 153.787$.

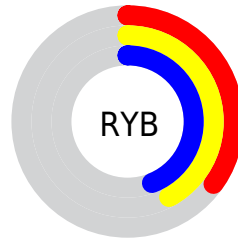
Distribution



Red (35%)

Green (44%)

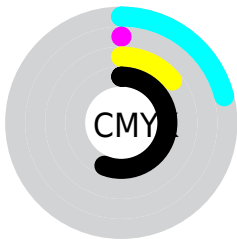
Blue (38%)



Red (35%)

Yellow (42%)

Blue (44%)

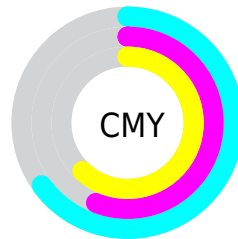


Cyan (21%)

Magenta (0%)

Yellow (14%)

Black (56%)



Cyan (65%)


Magenta (56%)

Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.481, 153.008 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, 13.481, 153.008 by changing the saturation by 10% instead.


 45, 13.481,
153.008


 45, 13.481,
153.008


 100, 13.481,
153.008


 35, 13.481,
153.008

 65, 13.481,
153.008


 25, 13.481,
153.008

 75, 13.481,
153.008

 15, 13.481,
153.008


 85, 13.481,
153.008

 5, 13.481, 153.008

 95, 13.481,
153.008

 0, 13.481, 153.008

 45, 13.481,

 45, 13.481,

153.008

153.008

■ 44, 20.024,
152.131

■ 46, 6.900, 153.787

■ 43, 26.436,
151.134

■ 47, 0.350, 155.063

■ 48, 6.112, 334.987

■ 43, 32.614,
149.994

■ 50, 12.445,
335.538

■ 42, 38.446,
148.697

■ 51, 18.621,
336.022

■ 42, 43.821,
147.232

■ 53, 24.624,
336.456

■ 41, 48.639,
145.601

■ 54, 30.443,
336.851

■ 41, 52.824,
143.829

■ 56, 36.077,
337.211

■ 41, 56.336,
142.262

■ 57, 41.528,

Harmonies

Complementary

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



45, 13.481, 153.008



41, 13.594, 335.819

Rectangle

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



45, 13.481, 153.008



45, 13.481, 203.008



45, 13.481, 333.008



45, 13.481, 23.008

Sweetspot

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



45, 13.482, 153.007



59, 4.850, 154.115



46, 13.873, 120.681



31, 3.243, 154.080



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, 13.482, 153.007



57, 20.321, 152.573



45, 9.505, 181.514



23, 3.684, 153.901



44, 59.367, 142.098



86, 104.228, 140.895

Inverse Universe

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



41, 13.594, 335.819



50, 20.519, 336.191



40, 10.281, 5.198



22, 3.702, 335.007



26, 53.050, 344.381



55, 89.645, 345.619

Previews

White Background



This preview shows how the CIELCh color 45, 13.481, 153.008 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, 13.481, 153.008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

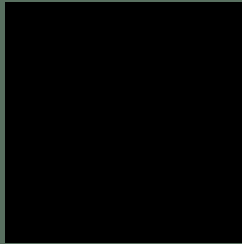
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.481, 153.008

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.481, 153.008.



This preview shows how white text looks on a background with the CIELCh color 45, 13.481, 153.008.

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, 13.481, 153.008

Protanopia
45, 8.014, 93.438

Deuteranopia
45, 8.114, 37.237



Tritanopia
45, 7.994, 241.282

Trichromacy



Original Color
45, 13.481, 153.008

Protanomaly
45, 8.592, 123.296

Deuteranomaly
45, 5.493, 95.985

Tritanomaly
45, 7.054, 198.631

Monochromacy



Original Color
45, 13.481, 153.008

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.905, 151.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.481, 153.008 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(89, 112, 96)` looks like.

```
.text, #text, p{  
    color:rgb(89, 112, 96)  
}
```

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(89, 112, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 112, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.481, 153.008 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(89, 112, 96) }
```

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

```
.border{ border-color:rgb(89, 112, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 112, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 112, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 112, 96);  
box-shadow:4px 4px 4px 4px rgb(89, 112,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.481, 153.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 112, 96) }
```

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

```
.background{ background-color: rgb(89, 112,  
96) }
```

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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