

Converting Colors

CIELCh(45, 13.695, 305.693)

Have a look what the booklet for
CIELCh(45, 13.695, 305.693)
contains.

CIELCh(45, 13.561, 305.110)	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, 13.561, 305.110)

Conversions

Conversions Part 1

Format	Color
Hex	6F677D
RGB	111, 103, 125
RGB Percent	44%, 40%, 49%
CMY	0.5650, 0.5963, 0.5101
CMYK	0.11, 0.18, 0.00, 0.51
HSL	262°, 10%, 45%
HSV	262°, 18%, 49%
XYZ	15.0883, 14.5417, 21.3909
YIQ	107.9000, -2.2940, 8.5380

Conversions

Conversions Part 2

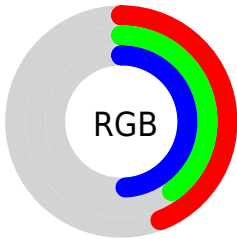
Format	Color
R_{YB}	111, 103, 125
Decimal	7300989
CIE Lab	45.00, 7.80, -11.09
CIE LCh	45, 13.561, 305.110
Yxy	14.5417, 0.2957, 0.2850
Android (android.graphics.Color)	4285491069 (0xFF6F677D)
YUV	107.9000, 8.4303, 2.7187
Hunter-Lab	38.1336, 3.8932, -6.5649

Details

The CIELCh color $45, 13.561, 305.110$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 13.163, 123.290$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 13.812, 305.299$, and $25, 13.575, 305.078$ is the 20% darker color. If you saturate the color by 10%, you get $41, 21.595, 305.733$, and if you desaturate by 10%, it is $49, 5.767, 304.544$.

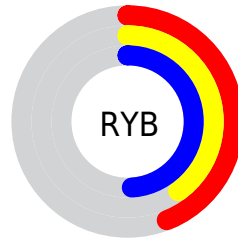
Distribution



Red (44%)

Green (40%)

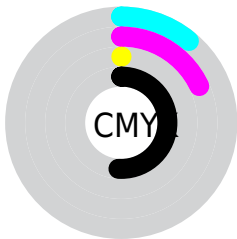
Blue (49%)



Red (44%)

Yellow (40%)

Blue (49%)

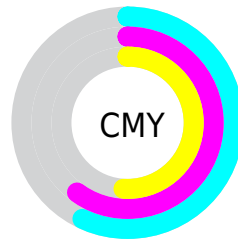


Cyan (11%)

Magenta (18%)

Yellow (0%)

Black (51%)



Cyan (57%)


Magenta (60%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.561, 305.110 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, 13.561, 305.110 by changing the saturation by 10% instead.


 45, 13.561,
305.110


 45, 13.561,
305.110


 100, 13.561,
305.110


 35, 13.561,
305.110

 65, 13.561,
305.110


 25, 13.561,
305.110

 75, 13.561,
305.110

 15, 13.561,
305.110

 85, 13.561,
305.110

 5, 13.561, 305.110

 95, 13.561,
305.110

 0, 13.561, 305.110

 45, 13.561,

 45, 13.561,

305.110

41, 21.595,
305.733

37, 29.846,
306.414

33, 38.252,
307.138

29, 46.685,
307.874

25, 54.912,
308.570

21, 62.541,
309.137

19, 68.993,
309.453

16, 74.078,
309.526

305.110

49, 5.767, 304.544

53, 1.777, 124.083

58, 9.076, 123.622

62, 16.139,
123.236

66, 22.976,
122.901

70, 29.601,
122.610

74, 36.025,
122.360

78, 42.260,
122.143

82, 48.318,

■ 16, 75.358,
309.594

121.958

Harmonies

Complementary

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



45, 13.561, 305.110



51, 13.163, 123.290

Rectangle

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



45, 13.561, 305.110



45, 13.561, 355.110



45, 13.561, 125.110



45, 13.561, 175.110

Sweetspot

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



45, 13.560, 305.109



64, 4.701, 304.410



48, 6.987, 239.556



33, 3.193, 304.441



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 13.560, 305.109



56, 20.249, 305.345



46, 15.065, 321.054



24, 4.209, 304.622



16, 75.366, 309.594



37, 127.684, 309.056

Inverse Universe

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



46, 12.214, 338.217



58, 18.166, 338.522



50, 14.972, 139.428



24, 3.818, 337.565



27, 52.773, 348.872



55, 87.953, 350.412

Previews

White Background



This preview shows how the CIELCh color 45, 13.561, 305.110 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, 13.561, 305.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

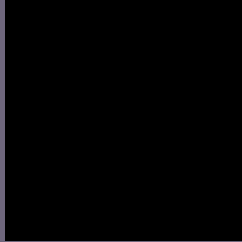
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.561, 305.110

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.561, 305.110.



This preview shows how white text looks on a background with the CIELCh color 45, 13.561, 305.110.

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, 13.561, 305.110

Protanopia

45, 12.584, 285.074

Deuteranopia

45, 12.675, 298.855



Tritanopia
45, 5.065, 309.349

Trichromacy



Original Color
45, 13.561, 305.110

Protanomaly
45, 12.544, 291.922

Deuteranomaly
45, 12.731, 300.576

Tritanomaly
45, 8.162, 308.201

Monochromacy



Original Color
45, 13.561, 305.110

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.940, 304.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.561, 305.110 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(111, 103, 125)` looks like.

```
.text, #text, p{  
    color:rgb(111, 103, 125)  
}
```

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(111, 103, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 103, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.561, 305.110 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(111, 103, 125) }
```

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

```
.border{ border-color:rgb(111, 103, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 103, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 103, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 103, 125);  
box-shadow:4px 4px 4px 4px rgb(111, 103,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.561, 305.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 103, 125) }
```

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

```
.background{ background-color: rgb(111,  
103, 125) }
```

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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