

Converting Colors

CIELCh(45, 14.148, 291.282)

Have a look what the booklet for
CIELCh(45, 14.148, 291.282)
contains.

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Color

CIELCh(45, 13.734, 290.521)

Conversions

Conversions Part 1

Format	Color
Hex	686980
RGB	104, 105, 128
RGB Percent	41%, 41%, 50%
CMY	0.5930, 0.5891, 0.4989
CMYK	0.19, 0.18, 0.00, 0.50
HSL	237°, 10%, 45%
HSV	237°, 19%, 50%
XYZ	14.5947, 14.5417, 22.3821
YIQ	107.3230, -7.9790, 6.9410

Conversions

Conversions Part 2

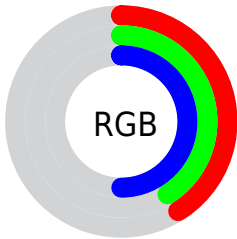
Format	Color
R_{YB}	104, 105, 128
Decimal	6842752
CIE _{Lab}	45.00, 4.81, -12.86
CIE _{LCh}	45, 13.734, 290.521
Yxy	14.5417, 0.2833, 0.2823
Android (android.graphics.Color)	4285032832 (0xFF686980)
YUV	107.3230, 10.1938, -2.9143
Hunter-Lab	38.1336, 1.5827, -8.1062

Details

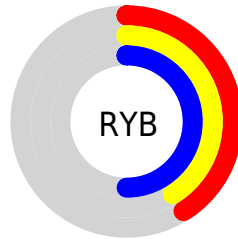
The CIELCh color $45, 13.734, 290.521$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 13.223, 106.655$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 13.909, 290.171$, and $25, 13.842, 291.368$ is the 20% darker color. If you saturate the color by 10%, you get $40, 21.456, 291.885$, and if you desaturate by 10%, it is $50, 6.303, 289.355$.

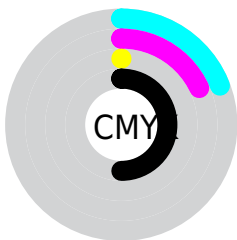
Distribution



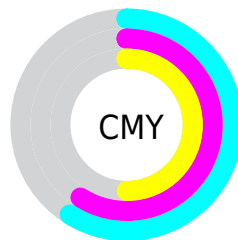
- Red (41%)
- Green (41%)
- Blue (50%)



- Red (41%)
- Yellow (41%)
- Blue (50%)



- Cyan (19%)
- Magenta (18%)
- Yellow (0%)
- Black (50%)





- Cyan (59%)
- Magenta (59%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.734, 290.521 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, 13.734, 290.521 by changing the saturation by 10% instead.


 45, 13.734,
290.521


 45, 13.734,
290.521


 100, 13.734,
290.521


 35, 13.734,
290.521

 65, 13.734,
290.521


 25, 13.734,
290.521

 75, 13.734,
290.521

 15, 13.734,
290.521


 85, 13.734,
290.521

 5, 13.734, 290.521

 95, 13.734,
290.521

 0, 13.734, 290.521

 45, 13.734,

 45, 13.734,

290.521

■ 40, 21.456,
291.885

■ 36, 29.492,
293.476

■ 31, 37.849,
295.310

■ 27, 46.496,
297.376

■ 23, 55.294,
299.611

■ 19, 63.876,
301.866

■ 16, 71.499,
303.893

■ 14, 77.279,
305.354

290.521

■ 50, 6.303, 289.355

■ 54, 0.855, 108.278

■ 59, 7.762, 107.482

■ 63, 14.435,
106.748

■ 67, 20.889,
106.112

■ 72, 27.139,
105.560

■ 76, 33.198,
105.079

■ 80, 39.075,
104.657

■ 85, 44.782,

■ 14, 77.942,
305.509

104.285

Harmonies

Complementary

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



45, 13.734, 290.521



53, 13.223, 106.655

Rectangle

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



45, 13.734, 290.521



45, 13.734, 340.521



45, 13.734, 110.521



45, 13.734, 160.521

Sweetspot

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



45, 13.733, 290.519



65, 5.307, 289.080



52, 9.166, 194.095



34, 3.551, 289.133



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 13.733, 290.519



55, 20.999, 291.142



46, 14.960, 308.190



24, 4.043, 289.389



14, 77.816, 305.507



0, 0.000, 0.000

Inverse Universe

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



46, 10.196, 17.350



57, 15.705, 17.830



52, 14.557, 126.455



25, 2.953, 16.486



25, 59.876, 36.685



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 13.734, 290.521 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, 13.734, 290.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

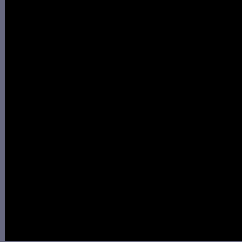
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.734, 290.521

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.734, 290.521.



This preview shows how white text looks on a background with the CIELCh color 45, 13.734, 290.521.

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, 13.734, 290.521

Protanopia

45, 13.787, 285.895

Deuteranopia

45, 14.384, 295.168



Tritanopia
45, 5.124, 268.283

Trichromacy



Original Color
45, 13.734, 290.521

Protanomaly
45, 13.760, 287.425

Deuteranomaly
45, 14.365, 293.670

Tritanomaly
45, 8.414, 283.431

Monochromacy



Original Color
45, 13.734, 290.521

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.374, 290.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.734, 290.521 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(104, 105, 128)` looks like.

```
.text, #text, p{  
    color:rgb(104, 105, 128)  
}
```

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(104, 105, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 105, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.734, 290.521 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(104, 105, 128) }
```

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

```
.border{ border-color:rgb(104, 105, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 105, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 105, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 105, 128);  
box-shadow:4px 4px 4px 4px rgb(104, 105,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.734, 290.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 105, 128) }
```

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

```
.background{ background-color: rgb(104,  
105, 128) }
```

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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