

Converting Colors

CIELCh(45, 13.163, 274.653)

Have a look what the booklet for
CIELCh(45, 13.163, 274.653)
contains.

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Color

CIELCh(45, 13.046, 273.840)

Conversions

Conversions Part 1

Format	Color
Hex	606B80
RGB	96, 107, 128
RGB Percent	38%, 42%, 50%
CMY	0.6238, 0.5806, 0.4983
CMYK	0.25, 0.16, 0.00, 0.50
HSL	219°, 14%, 44%
HSV	219°, 25%, 50%
XYZ	13.9597, 14.5417, 22.4700
YIQ	106.1050, -13.2970, 4.1990

Conversions

Conversions Part 2

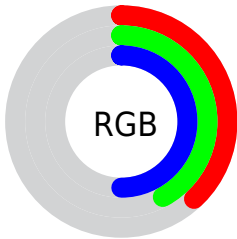
Format	Color
R _Y B	96, 104, 128
Decimal	6318976
CIE Lab	45.00, 0.87, -13.02
CIE LCh	45, 13.046, 273.840
Yxy	14.5417, 0.2739, 0.2853
Android (android.graphics.Color)	4284509056 (0xFF606B80)
YUV	106.1050, 10.7942, -8.8621
Hunter-Lab	38.1336, -1.3897, -8.2427

Details

The CIELCh color $45, 13.046, 273.840$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 13.156, 87.197$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 13.264, 274.512$, and $25, 13.032, 273.970$ is the 20% darker color. If you saturate the color by 10%, you get $42, 18.389, 275.668$, and if you desaturate by 10%, it is $48, 7.777, 272.269$.

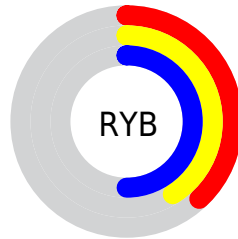
Distribution



Red (38%)

Green (42%)

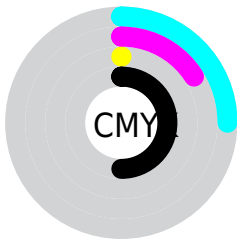
Blue (50%)



Red (38%)

Yellow (41%)

Blue (50%)

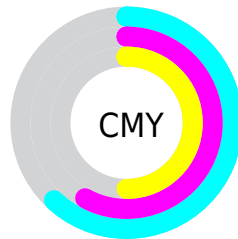


Cyan (25%)

Magenta (16%)

Yellow (0%)

Black (50%)



Cyan (62%)


Magenta (58%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.046, 273.840 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, 13.046, 273.840 by changing the saturation by 10% instead.


 45, 13.046,
273.840


 45, 13.046,
273.840


 100, 13.046,
273.840


 35, 13.046,
273.840

 65, 13.046,
273.840


 25, 13.046,
273.840

 75, 13.046,
273.840

 15, 13.046,
273.840


 85, 13.046,
273.840

 5, 13.046, 273.840

 95, 13.046,
273.840

 0, 13.046, 273.840

 45, 13.046,

 45, 13.046,

273.840

273.840

■ 42, 18.389,
275.668

■ 48, 7.777, 272.269

■ 38, 23.815,
277.800

■ 52, 2.582, 270.957

■ 55, 2.540, 89.641

■ 35, 29.337,
280.266

■ 59, 7.587, 88.665

■ 32, 34.978,
283.087

■ 62, 12.559, 87.779

■ 65, 17.452, 86.995

■ 28, 40.762,
286.248

■ 69, 22.267, 86.298

■ 26, 46.699,
289.679

■ 72, 27.003, 85.676

■ 75, 31.659, 85.118

■ 23, 52.754,
293.214

■ 21, 55.809,
294.811

Harmonies

Complementary

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



45, 13.046, 273.840



50, 13.156, 87.197

Rectangle

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



45, 13.046, 273.840



45, 13.046, 323.840



45, 13.046, 93.840



45, 13.046, 143.840

Sweetspot

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



45, 13.045, 273.837



65, 5.101, 271.340



51, 14.090, 170.289



33, 3.656, 271.511



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, 13.045, 273.837



55, 19.413, 274.843



42, 19.477, 298.166



25, 2.901, 271.457



21, 55.653, 294.798



0, 0.000, 0.000

Inverse Universe

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



44, 14.887, 355.466



54, 22.219, 356.167



52, 18.449, 114.263



25, 3.262, 353.751



26, 51.163, 15.146



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 13.046, 273.840 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, 13.046, 273.840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

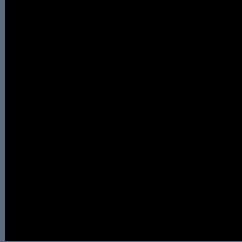
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

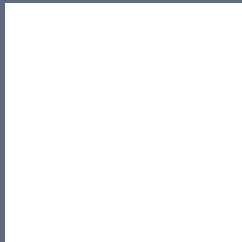
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 13.046, 273.840

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.046, 273.840.

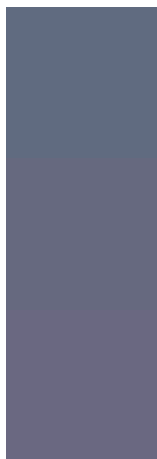


This preview shows how white text looks on a background with the CIELCh color 45, 13.046, 273.840.

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

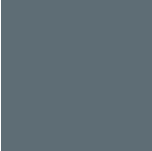
45, 13.046, 273.840

Protanopia

45, 13.167, 287.114

Deuteranopia

45, 14.979, 295.116



Tritanopia
45, 7.361, 239.498

Trichromacy



Original Color
45, 13.046, 273.840

Protanomaly
45, 12.676, 281.751

Deuteranomaly
45, 14.354, 287.717

Tritanomaly
45, 9.054, 258.389

Monochromacy



Original Color
45, 13.046, 273.840

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.004, 272.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.046, 273.840 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(96, 107, 128)` looks like.

```
.text, #text, p{  
    color:rgb(96, 107, 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(96, 107, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 107, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.046, 273.840 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(96, 107, 128) }
```

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

```
.border{ border-color:rgb(96, 107, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 107, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 107, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 107, 128);  
box-shadow:4px 4px 4px 4px rgb(96, 107,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.046, 273.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 107, 128) }
```

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

```
.background{ background-color: rgb(96, 107,  
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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