

Converting Colors

CIELCh(45, 15.574, 295.074)

Have a look what the booklet for
CIELCh(45, 15.574, 295.074)
contains.

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Color

CIELCh(45, 15.574, 295.074)

Conversions

Conversions Part 1

Format	Color
Hex	6A6882
RGB	106, 104, 130
RGB Percent	42%, 41%, 51%
CMY	0.5848, 0.5926, 0.4907
CMYK	0.18, 0.20, 0.00, 0.49
HSL	245°, 11%, 46%
HSV	245°, 20%, 51%
XYZ	14.8886, 14.5417, 23.0972
YIQ	107.5620, -7.1540, 8.5100

Conversions

Conversions Part 2

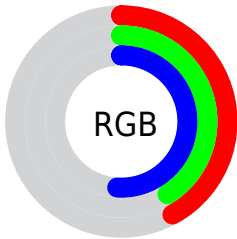
Format	Color
R_{YB}	106, 104, 130
Decimal	6973570
CIE Lab	45.00, 6.60, -14.11
CIE LCh	45, 15.574, 295.074
Yxy	14.5417, 0.2834, 0.2768
Android (android.graphics.Color)	4285163650 (0xFF6A6882)
YUV	107.5620, 11.0619, -1.3699
Hunter-Lab	38.1336, 2.9586, -9.2179

Details

The CIELCh color `45, 15.574, 295.074` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `54, 14.902, 111.567`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 15.645, 295.733`, and `25, 15.857, 294.802` is the 20% darker color. If you saturate the color by 10%, you get `40, 23.822, 296.240`, and if you desaturate by 10%, it is `50, 7.644, 294.068`.

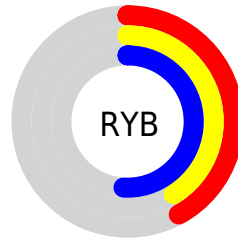
Distribution



Red (42%)

Green (41%)

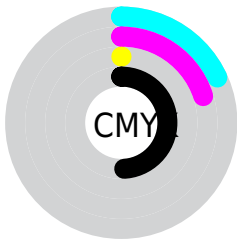
Blue (51%)



Red (42%)

Yellow (41%)

Blue (51%)

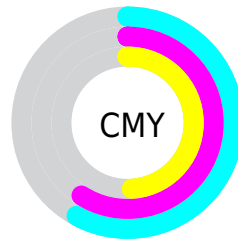


Cyan (18%)

Magenta (20%)

Yellow (0%)

Black (49%)



Cyan (58%)


Magenta (59%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 15.574, 295.074 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, 15.574, 295.074 by changing the saturation by 10% instead.


 45, 15.574,
295.074


 45, 15.574,
295.074


 100, 15.574,
295.074


 35, 15.574,
295.074

 65, 15.574,
295.074


 25, 15.574,
295.074

 75, 15.574,
295.074

 15, 15.574,
295.074


 85, 15.574,
295.074

 5, 15.574, 295.074

 95, 15.574,
295.074

 0, 15.574, 295.074

 45, 15.574,

 45, 15.574,

295.074

■ 40, 23.822,
296.240

■ 36, 32.399,
297.584

■ 31, 41.287,
299.107

■ 27, 50.397,
300.783

■ 22, 59.485,
302.530

■ 19, 68.022,
304.190

■ 16, 75.082,
305.517

■ 14, 80.666,
306.633

295.074

■ 50, 7.644, 294.068

■ 54, 0.017, 294.698

■ 59, 7.328, 112.456

■ 63, 14.412,
111.821

■ 68, 21.251,
111.273

■ 73, 27.862,
110.799

■ 77, 34.259,
110.390

■ 81, 40.458,
110.034

■ 86, 46.469,

Harmonies

Complementary

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



45, 15.574, 295.074



54, 14.902, 111.567

Rectangle

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



45, 15.574, 295.074



45, 15.574, 345.074



45, 15.574, 115.074



45, 15.574, 165.074

Sweetspot

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



45, 15.573, 295.073



66, 5.622, 293.720



52, 9.148, 204.862



34, 3.715, 293.764



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, 15.573, 295.073



55, 23.288, 295.580



46, 16.543, 312.205



24, 4.231, 293.982



13, 79.590, 306.640



0, 0.000, 0.000

Inverse Universe

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



47, 17.531, 327.670



59, 25.995, 327.924



52, 16.178, 130.518



25, 4.841, 327.052



29, 65.207, 331.437



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 45, 15.574, 295.074 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, 15.574, 295.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

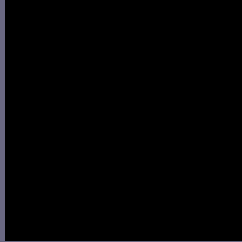
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 15.574, 295.074

Background



This preview shows how black text looks on a background with the CIELCh color 45, 15.574, 295.074.



This preview shows how white text looks on a background with the CIELCh color 45, 15.574, 295.074.

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, 15.574, 295.074

Protanopia

45, 15.563, 286.912

Deuteranopia

45, 15.556, 293.703



Tritanopia
45, 4.996, 272.455

Trichromacy



Original Color
45, 15.574, 295.074

Protanomaly
45, 15.526, 289.599

Deuteranomaly
45, 15.556, 293.703

Tritanomaly
45, 8.377, 286.044

Monochromacy



Original Color
45, 15.574, 295.074

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.394, 295.161

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 15.574, 295.074 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(106, 104, 130)` looks like.

```
.text, #text, p{  
    color:rgb(106, 104, 130)  
}
```

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(106, 104, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 104, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 15.574, 295.074 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(106, 104, 130) }
```

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

```
.border{ border-color:rgb(106, 104, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 104, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 104, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 104, 130);  
box-shadow:4px 4px 4px 4px rgb(106, 104,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 15.574, 295.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 104, 130) }
```

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

```
.background{ background-color: rgb(106,  
104, 130) }
```

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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