

Converting Colors

CIELCh(45, 2.628, 292.724)

Have a look what the booklet for
CIELCh(45, 2.628, 292.724) contains.

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Color

CIELCh(45, 2.391, 290.531)

Conversions

Conversions Part 1

Format	Color
Hex	6A6A6E
RGB	106, 106, 110
RGB Percent	42%, 42%, 43%
CMY	0.5837, 0.5837, 0.5680
CMYK	0.04, 0.04, 0.00, 0.57
HSL	240°, 2%, 42%
HSV	240°, 4%, 43%
XYZ	13.9541, 14.5417, 16.8664
YIQ	106.4560, -1.2840, 1.2440

Conversions

Conversions Part 2

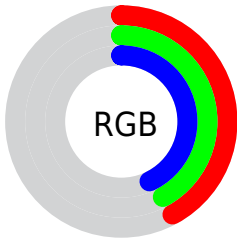
Format	Color
R_{YB}	106, 106, 110
Decimal	6974062
CIE Lab	45.00, 0.84, -2.24
CIE LCh	45, 2.391, 290.531
Yxy	14.5417, 0.3076, 0.3206
Android (android.graphics.Color)	4285164142 (0xFF6A6A6E)
YUV	106.4560, 1.7472, -0.3999
Hunter-Lab	38.1336, -1.4158, 0.4697

Details

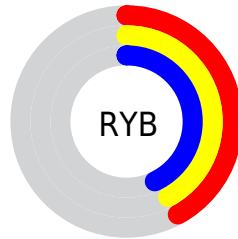
The CIELCh color **45, 2.391, 290.531** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 2.361, 109.815**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 2.786, 290.493**, and **25, 2.639, 290.740** is the 20% darker color. If you saturate the color by 10%, you get **41, 9.126, 291.531**, and if you desaturate by 10%, it is **49, 4.097, 109.604**.

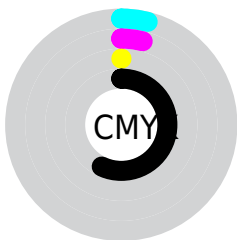
Distribution



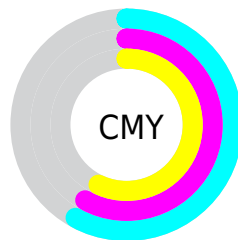
- Red (42%)
- Green (42%)
- Blue (43%)



- Red (42%)
- Yellow (42%)
- Blue (43%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (57%)



- Cyan (58%)
- Magenta (58%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 2.391, 290.531 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, 2.391, 290.531 by changing the saturation by 10% instead.

■ 45, 2.391, 290.531

■ 45, 2.391, 290.531

■ 100, 2.391,
290.531

■ 35, 2.391, 290.531

■ 65, 2.391, 290.531

■ 25, 2.391, 290.531

■ 75, 2.391, 290.531

■ 15, 2.391, 290.531

■ 85, 2.391, 290.531

■ 5, 2.391, 290.531

■ 95, 2.391, 290.531

■ 0, 2.391, 290.531

■ 45, 2.391, 290.531

■ 45, 2.391, 290.531

■ 41, 9.126, 291.531

■ 49, 4.097, 109.604

■ 37, 16.129,
292.734

■ 53, 10.354,
108.855

■ 33, 23.420,
294.139

■ 57, 16.396,
108.206

■ 28, 31.008,
295.765

■ 61, 22.238,
107.645

■ 24, 38.877,
297.613

■ 65, 27.892,
107.159

■ 20, 46.938,
299.642

■ 69, 33.371,
106.735

■ 17, 54.931,
301.743

■ 73, 38.685,
106.364

■ 14, 62.293,
303.706

■ 77, 43.844,
106.039

■ 11, 68.217,
305.274

■ 81, 48.857,
105.752

Harmonies

Complementary

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



45, 2.391, 290.531



46, 2.361, 109.815

Rectangle

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



45, 2.391, 290.531



45, 2.391, 340.531



45, 2.391, 110.531



45, 2.391, 160.531

Sweetspot

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



45, 2.390, 290.513



59, 0.816, 290.314



46, 1.617, 198.033



30, 0.461, 290.312



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 2.390, 290.513



57, 3.259, 290.556



45, 2.526, 308.607



22, 1.881, 290.594



12, 76.539, 306.278



31, 130.745, 306.283

Inverse Universe

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



45, 1.652, 19.358



58, 2.255, 19.411



46, 2.502, 128.363



23, 1.303, 19.452



24, 57.988, 37.772



52, 102.171, 39.987

Previews

White Background



This preview shows how the CIELCh color 45, 2.391, 290.531 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, 2.391, 290.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

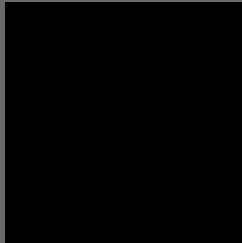
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

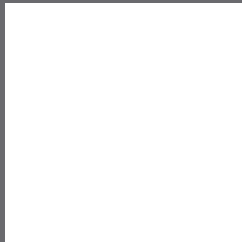
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 2.391, 290.531

Background



This preview shows how black text looks on a background with the CIELCh color 45, 2.391, 290.531.



This preview shows how white text looks on a background with the CIELCh color 45, 2.391, 290.531.

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, 2.391, 290.531

Protanopia

45, 2.431, 300.115

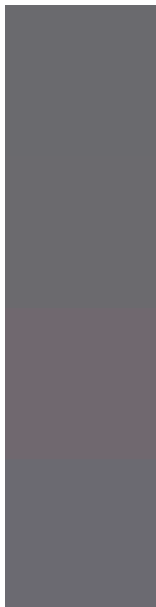
Deuteranopia

45, 6.874, 336.332



Tritanopia
45, 4.799, 295.621

Trichromacy



Original Color

45, 2.391, 290.531

Protanomaly

45, 2.431, 300.115

Deuteranomaly

45, 5.328, 328.404

Tritanomaly

45, 4.205, 296.235

Monochromacy



Original Color

45, 2.391, 290.531

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 0.601, 290.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 2.391, 290.531 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, 106, 110)` looks like.

```
.text, #text, p{  
    color:rgb(106, 106, 110)  
}
```

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, 106, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 106, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 2.391, 290.531 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, 106, 110) }
```

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

```
.border{ border-color:rgb(106, 106, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 106, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 106, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 106, 110);  
box-shadow:4px 4px 4px 4px rgb(106, 106,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 2.391, 290.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 106, 110) }
```

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

```
.background{ background-color: rgb(106,  
106, 110) }
```

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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