

Converting Colors

CIELCh(45, 61.691, 304.078)

Have a look what the booklet for
CIELCh(45, 61.691, 304.078)
contains.

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Color

CIELCh(45, 62.064, 304.017)

Conversions

Conversions Part 1

Format	Color
Hex	7159C1
RGB	113, 89, 193
RGB Percent	44%, 35%, 76%
CMY	0.5563, 0.6505, 0.2426
CMYK	0.41, 0.54, 0.00, 0.24
HSL	254°, 46%, 55%
HSV	254°, 54%, 76%
XYZ	20.0519, 14.5417, 52.2847
YIQ	108.0320, -19.0800, 37.4320

Conversions

Conversions Part 2

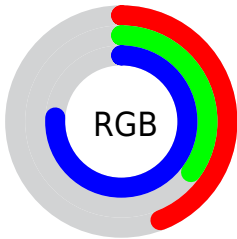
Format	Color
RYB	113, 89, 193
Decimal	7428545
CIELab	45.00, 34.72, -51.44
CIElCh	45, 62.064, 304.017
Yxy	14.5417, 0.2308, 0.1674
Android (android.graphics.Color)	4285618625 (0xFF7159C1)
YUV	108.0320, 41.8892, 4.3569
Hunter-Lab	38.1336, 27.1273, -54.5985

Details

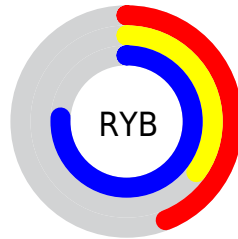
The CIELCh color **45, 62.064, 304.017** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted purple. A complement of this color would be **74, 54.390, 115.853**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.779, 303.980**, and **25, 62.435, 304.028** is the 20% darker color. If you saturate the color by 10%, you get **39, 74.303, 305.163**, and if you desaturate by 10%, it is **51, 49.799, 302.903**.

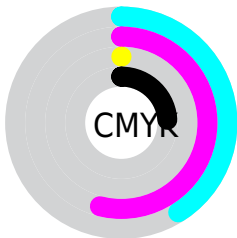
Distribution



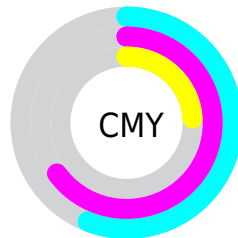
- Red (44%)
- Green (35%)
- Blue (76%)



- Red (44%)
- Yellow (35%)
- Blue (76%)



- Cyan (41%)
- Magenta (54%)
- Yellow (0%)
- Black (24%)





- Cyan (56%)
- Magenta (65%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 62.064, 304.017 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, 62.064, 304.017 by changing the saturation by 10% instead.


 45, 62.064,
304.017


 45, 62.064,
304.017


 100, 62.064,
304.017


 35, 62.064,
304.017

 65, 62.064,
304.017


 25, 62.064,
304.017

 75, 62.064,
304.017

 15, 62.064,
304.017

 85, 62.064,
304.017

 5, 62.064, 304.017

 95, 62.064,
304.017

 0, 62.064, 304.017

 45, 62.064,

 45, 62.064,

304.017

■ 39, 74.303,
305.163

■ 34, 85.960,
306.234

■ 30, 96.068,
307.062

■ 26, 103.340,
307.437

■ 25, 106.540,
307.517

304.017

■ 51, 49.799,
302.903

■ 57, 37.785,
301.873

■ 63, 26.140,
300.949

■ 70, 14.904,
300.135

■ 76, 4.077, 299.422

■ 82, 6.354, 118.817

■ 88, 16.411,
118.285

■ 94, 26.115,
117.828

■ 98, 31.329,
113.468

Harmonies

Complementary

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



45, 62.064, 304.017



74, 54.390, 115.853

Rectangle

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



45, 62.064, 304.017



45, 62.064, 354.017



45, 62.064, 124.017



45, 62.064, 174.017

Sweetspot

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



45, 62.063, 304.018



86, 21.309, 300.320



66, 26.636, 225.960



44, 14.439, 300.485



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



45, 62.063, 304.018



50, 93.333, 305.406



51, 63.731, 318.447



38, 6.065, 299.804



20, 92.811, 307.620



1, 19.644, 297.350

Inverse Universe

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



53, 56.775, 335.409



63, 80.930, 336.430



71, 61.556, 133.471



38, 6.152, 332.196



36, 68.607, 339.941



4, 19.448, 336.215

Previews

White Background



This preview shows how the CIELCh color 45, 62.064, 304.017 looks on a white background.

Color Contrast Check

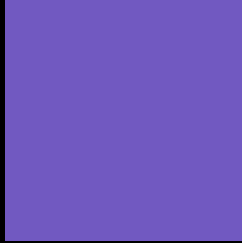
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.064, 304.017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

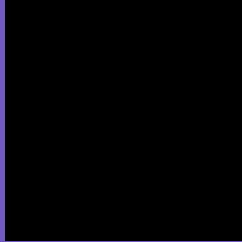
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 62.064, 304.017

Background



This preview shows how black text looks on a background with the CIELCh color 45, 62.064, 304.017.



This preview shows how white text looks on a background with the CIELCh color 45, 62.064, 304.017.

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

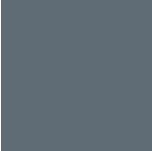
45, 62.064, 304.017

Protanopia

45, 62.572, 287.387

Deuteranopia

45, 49.486, 278.093



Tritanopia
45, 7.229, 247.244

Trichromacy



Original Color
45, 62.064, 304.017

Protanomaly
45, 62.397, 292.080

Deuteranomaly
44, 53.931, 287.052

Tritanomaly
44, 26.362, 294.537

Monochromacy



Original Color
45, 62.064, 304.017

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 23.035, 301.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 62.064, 304.017 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(113, 89, 193)` looks like.

```
.text, #text, p{  
    color:rgb(113, 89, 193)  
}
```

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(113, 89, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 89, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 62.064, 304.017 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(113, 89, 193) }
```

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

```
.border{ border-color:rgb(113, 89, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 89, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 89, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 89, 193);  
box-shadow:4px 4px 4px 4px rgb(113, 89,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 62.064, 304.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 89, 193) }
```

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

```
.background{ background-color: rgb(113, 89,  
193) }
```

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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