

Converting Colors

CIELCh(45, 70.581, 291.618)

Have a look what the booklet for
CIELCh(45, 70.581, 291.618)
contains.

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Color

CIELCh(45, 70.575, 291.724)

Conversions

Conversions Part 1

Format	Color
Hex	3462D9
RGB	52, 98, 217
RGB Percent	20%, 38%, 85%
CMY	0.7977, 0.6145, 0.1476
CMYK	0.76, 0.55, 0.00, 0.15
HSL	223°, 69%, 53%
HSV	223°, 76%, 85%
XYZ	18.3638, 14.5417, 67.7389
YIQ	97.8120, -65.6150, 27.2570

Conversions

Conversions Part 2

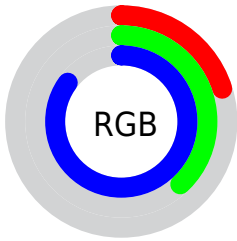
Format	Color
RYB	52, 88, 217
Decimal	3433177
CIELab	45.00, 26.12, -65.56
CIELCh	45, 70.575, 291.724
Yxy	14.5417, 0.1825, 0.1445
Android (android.graphics.Color)	4281623257 (0xFF3462D9)
YUV	97.8120, 58.7597, -40.1771
Hunter-Lab	38.1336, 19.2255, -78.6266

Details

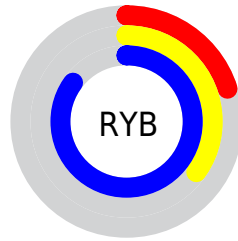
The CIELCh color **45, 70.575, 291.724** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **72, 64.075, 84.738**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 59.649, 289.674**, and **27, 69.047, 296.445** is the 20% darker color. If you saturate the color by 10%, you get **40, 80.874, 295.114**, and if you desaturate by 10%, it is **50, 60.454, 288.501**.

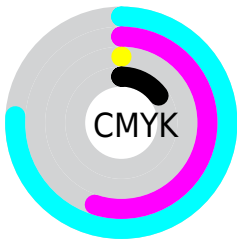
Distribution



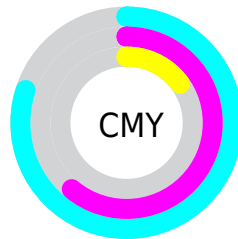
- Red (20%)
- Green (38%)
- Blue (85%)



- Red (20%)
- Yellow (35%)
- Blue (85%)



- Cyan (76%)
- Magenta (55%)
- Yellow (0%)
- Black (15%)





- Cyan (80%)
- Magenta (61%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 70.575, 291.724 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, 70.575, 291.724 by changing the saturation by 10% instead.


 45, 70.575,
291.724


 45, 70.575,
291.724


 100, 70.575,
291.724


 35, 70.575,
291.724

 65, 70.575,
291.724


 25, 70.575,
291.724

 75, 70.575,
291.724

 15, 70.575,
291.724

 85, 70.575,
291.724

 5, 70.575, 291.724

 95, 70.575,
291.724

 0, 70.575, 291.724

 45, 70.575,

 45, 70.575,

291.724

■ 40, 80.874,
295.114

■ 36, 91.022,
298.446

■ 35, 94.672,
299.571

291.724

■ 50, 60.454,
288.501

■ 55, 50.624,
285.572

■ 61, 41.090,
282.992

■ 66, 31.821,
280.761

■ 72, 22.786,
278.849

■ 78, 13.961,
277.217

■ 83, 5.329, 275.840

■ 89, 3.119, 94.522

Harmonies

Complementary

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



45, 70.575, 291.724



72, 64.075, 84.738

Rectangle

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



45, 70.575, 291.724



45, 70.575, 341.724



45, 70.575, 111.724



45, 70.575, 161.724

Sweetspot

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



45, 70.575, 291.725



85, 22.630, 278.321



78, 53.489, 167.688



43, 15.727, 278.952



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 70.575, 291.725



44, 98.797, 297.324



37, 97.587, 306.260



43, 4.872, 276.247



27, 78.762, 299.067



4, 23.849, 287.542

Inverse Universe

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



50, 66.881, 11.730



55, 85.410, 19.485



82, 78.802, 114.598



43, 4.960, 358.067



36, 66.155, 22.437



5, 23.856, 7.871

Previews

White Background



This preview shows how the CIE LCh color 45, 70.575, 291.724 looks on a white background.

Color Contrast Check

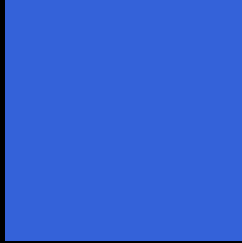
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.575, 291.724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

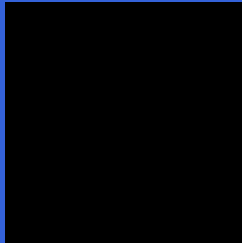
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 70.575, 291.724

Background



This preview shows how black text looks on a background with the CIELCh color 45, 70.575, 291.724.

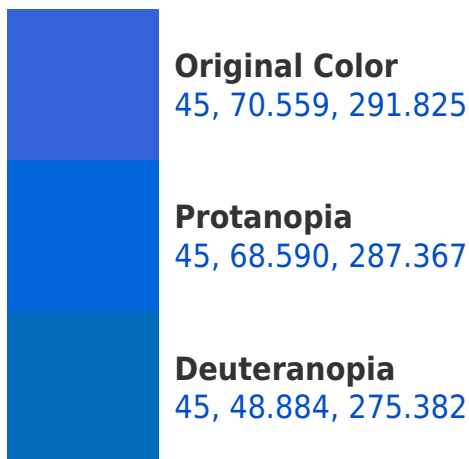



This preview shows how white text looks on a background with the CIELCh color 45, 70.575, 291.724.

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





Tritanopia
45, 27.448, 206.762

Trichromacy



Original Color
45, 70.559, 291.825

Protanomaly
45, 69.095, 288.346

Deuteranomaly
44, 56.820, 282.513

Tritanomaly
44, 33.767, 257.349

Monochromacy



Original Color
45, 70.559, 291.825

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 26.340, 281.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 70.575, 291.724 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(52, 98, 217)` looks like.

```
.text, #text, p{  
    color:rgb(52, 98, 217)  
}
```

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(52, 98, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 98, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 70.575, 291.724 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(52, 98, 217) }
```

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

```
.border{ border-color:rgb(52, 98, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 98, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 98, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 98, 217);  
box-shadow:4px 4px 4px 4px rgb(52, 98,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 70.575, 291.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 98, 217) }
```

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

```
.background{ background-color: rgb(52, 98,  
217) }
```

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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