

Converting Colors

CIELCh(30, 65.985, 310.582)

Have a look what the booklet for
CIELCh(30, 65.985, 310.582)
contains.

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Color

CIELCh(30, 65.760, 310.461)

Conversions

Conversions Part 1

Format	Color
Hex	5A2D96
RGB	90, 45, 150
RGB Percent	35%, 18%, 59%
CMY	0.6475, 0.8239, 0.4122
CMYK	0.40, 0.70, 0.00, 0.41
HSL	266°, 54%, 38%
HSV	266°, 70%, 59%
XYZ	10.6367, 6.2359, 29.4514
YIQ	70.4250, -6.8850, 42.1950

Conversions

Conversions Part 2

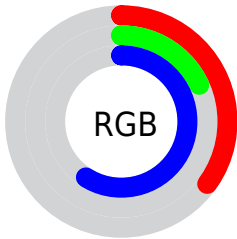
Format	Color
R _Y B	90, 45, 150
Decimal	5909910
CIE Lab	30.00, 42.67, -50.03
CIE LCh	30, 65.760, 310.461
Yxy	6.2359, 0.2296, 0.1346
Android (android.graphics.Color)	4284099990 (0xFF5A2D96)
YUV	70.4250, 39.2305, 17.1673
Hunter-Lab	24.9718, 32.3311, -52.4456

Details

The CIELCh color **30, 65.760, 310.461** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **57, 57.962, 123.693**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 65.931, 310.596**, and **11, 63.415, 309.610** is the 20% darker color. If you saturate the color by 10%, you get **26, 73.882, 310.786**, and if you desaturate by 10%, it is **34, 56.624, 309.950**.

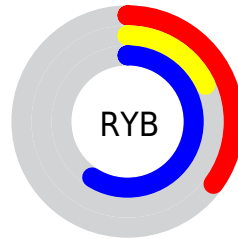
Distribution



Red (35%)

Green (18%)

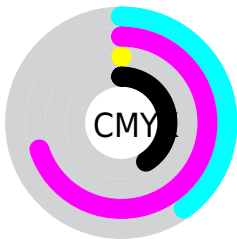
Blue (59%)



Red (35%)

Yellow (18%)

Blue (59%)

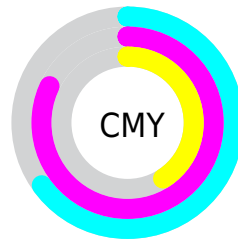


Cyan (40%)

Magenta (70%)

Yellow (0%)

Black (41%)



Cyan (65%)


Magenta (82%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 65.760, 310.461 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 30, 65.760, 310.461 by changing the saturation by 10% instead.


 30, 65.760,
310.461


 30, 65.760,
310.461

 100, 65.760,
310.461


 20, 65.760,
310.461


 50, 65.760,
310.461


 10, 65.760,
310.461

 60, 65.760,
310.461

 0, 65.760, 310.461

 70, 65.760,
310.461

 80, 65.760,
310.461

 90, 65.760,
310.461

■ 30, 65.760,
310.461

■ 30, 65.760,
310.461

■ 26, 73.882,
310.786

■ 34, 56.624,
309.950

■ 23, 80.293,
310.799

■ 38, 47.013,
309.348

■ 21, 85.071,
310.575

■ 43, 37.279,
308.721

■ 48, 27.628,
308.109

■ 52, 18.174,
307.532

■ 57, 8.973, 307.002

■ 62, 0.046, 304.896

■ 67, 8.600, 126.123

■ 72, 16.971,
125.746

Harmonies

Complementary

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



30, 65.760, 310.461



57, 57.962, 123.693

Rectangle

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



30, 65.760, 310.461



30, 65.760, 0.461



30, 65.760, 130.461



30, 65.760, 180.461

Sweetspot

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



30, 65.760, 310.461



66, 23.525, 307.609



43, 30.010, 260.686



33, 15.933, 307.748



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



30, 65.760, 310.461



33, 93.995, 310.840



37, 65.942, 325.047



29, 4.985, 306.958



19, 79.900, 310.659



0, 4.304, 306.531

Inverse Universe

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



37, 50.445, 347.580



44, 67.925, 350.816



55, 66.284, 137.008



29, 4.272, 340.644



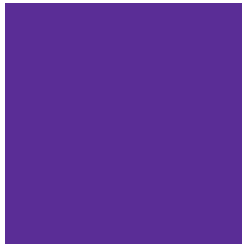
29, 54.843, 354.504



1, 3.702, 339.988

Previews

White Background



This preview shows how the CIELCh color 30, 65.760, 310.461 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 30, 65.760, 310.461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

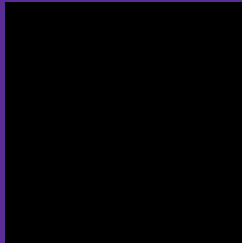
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 65.760, 310.461

Background



This preview shows how black text looks on a background with the CIELCh color 30, 65.760, 310.461.



This preview shows how white text looks on a background with the CIELCh color 30, 65.760, 310.461.

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


30, 65.760, 310.461

Protanopia

30, 48.785, 285.433

Deuteranopia

30, 35.461, 273.335



Tritanopia
30, 3.472, 312.710

Trichromacy



Original Color
30, 65.760, 310.461

Protanomaly
29, 55.619, 293.927

Deuteranomaly
28, 46.335, 289.853

Tritanomaly
29, 27.276, 308.974

Monochromacy



Original Color
30, 65.760, 310.461

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 25.306, 308.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 65.760, 310.461 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(90, 45, 150)` looks like.

```
.text, #text, p{  
    color:rgb(90, 45, 150)  
}
```

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(90, 45, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 45, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 65.760, 310.461 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(90, 45, 150) }
```

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

```
.border{ border-color:rgb(90, 45, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 45, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 45, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 45, 150);  
box-shadow:4px 4px 4px 4px rgb(90, 45,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 65.760, 310.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 45, 150) }
```

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

```
.background{ background-color: rgb(90, 45,  
150) }
```

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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