

Converting Colors

CIELCh(30, 64.511, 293.565)

Have a look what the booklet for
CIELCh(30, 64.511, 293.565)
contains.

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Color

CIELCh(30, 64.527, 293.480)

Conversions

Conversions Part 1

Format	Color
Hex	033FA5
RGB	3, 63, 165
RGB Percent	1%, 25%, 65%
CMY	0.9901, 0.7543, 0.3546
CMYK	0.98, 0.62, 0.00, 0.35
HSL	218°, 97%, 33%
HSV	218°, 98%, 65%
XYZ	8.5445, 6.2359, 36.1549
YIQ	56.6880, -68.5020, 19.0020

Conversions

Conversions Part 2

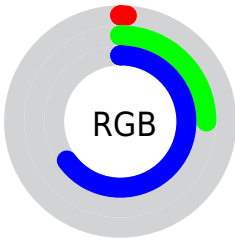
Format	Color
R _Y B	3, 47, 165
Decimal	212901
CIE Lab	30.00, 25.71, -59.18
CIE LCh	30, 64.527, 293.480
Yxy	6.2359, 0.1678, 0.1224
Android (android.graphics.Color)	4278402981 (0xFF033FA5)
YUV	56.6880, 53.3978, -47.0844
Hunter-Lab	24.9718, 17.3760, -68.3616

Details

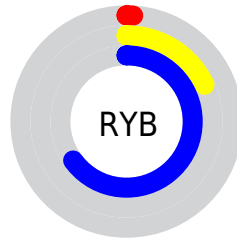
The CIELCh color **30, 64.527, 293.480** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **49, 58.942, 72.723**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 64.551, 293.493**, and **14, 60.885, 300.998** is the 20% darker color. If you saturate the color by 10%, you get **30, 65.628, 294.003**, and if you desaturate by 10%, it is **33, 57.413, 289.766**.

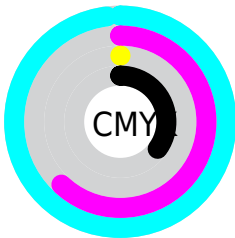
Distribution



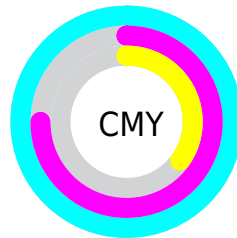
- Red (1%)
- Green (25%)
- Blue (65%)



- Red (1%)
- Yellow (18%)
- Blue (65%)



- Cyan (98%)
- Magenta (62%)
- Yellow (0%)
- Black (35%)



- Cyan (99%)
- Magenta (75%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 64.527, 293.480 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, 64.527, 293.480 by changing the saturation by 10% instead.


 30, 64.527,
293.480


 30, 64.527,
293.480

 100, 64.527,
293.480


 20, 64.527,
293.480


 50, 64.527,
293.480

 10, 64.527,
293.480

 60, 64.527,
293.480

 0, 64.527, 293.480

 70, 64.527,
293.480

 80, 64.527,
293.480

 90, 64.527,
293.480

■ 30, 64.527,
293.480

■ 30, 64.527,
293.480

■ 30, 65.628,
294.003

■ 33, 57.413,
289.766

■ 37, 50.432,
286.045

■ 40, 43.627,
282.570

■ 44, 36.985,
279.444

■ 48, 30.470,
276.704

■ 52, 24.050,
274.339

■ 56, 17.706,
272.314

■ 60, 11.428,

270.586

■ 64, 5.215, 269.124

Harmonies

Complementary

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



30, 64.527, 293.480



49, 58.942, 72.723

Rectangle

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



30, 64.527, 293.480



30, 64.527, 343.480



30, 64.527, 113.480



30, 64.527, 163.480

Sweetspot

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



30, 64.527, 293.482



71, 23.148, 272.711



60, 55.664, 156.376



35, 15.797, 273.507



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



30, 64.527, 293.482



39, 81.433, 294.737



20, 94.902, 306.611



32, 3.462, 269.230



26, 59.248, 293.583



2, 5.563, 270.903

Inverse Universe

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



35, 61.003, 13.227



45, 74.964, 15.052



64, 70.141, 109.850



32, 4.071, 352.008



30, 55.983, 13.326



1, 6.114, 353.500

Previews

White Background



This preview shows how the CIE LCh color 30, 64.527, 293.480 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 CIE LCh color 30, 64.527, 293.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

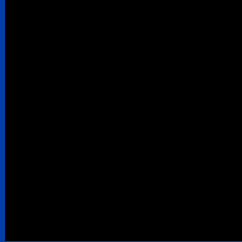
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 64.527, 293.480

Background



This preview shows how black text looks on a background with the CIELCh color 30, 64.527, 293.480.



This preview shows how white text looks on a background with the CIELCh color 30, 64.527, 293.480.

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, 64.535, 293.438

Protanopia

30, 49.441, 286.061

Deuteranopia

30, 34.375, 272.006



Tritanopia
30, 20.879, 203.684

Trichromacy



Original Color
30, 64.535, 293.438

Protanomaly
30, 54.894, 289.253

Deuteranomaly
30, 45.257, 283.369

Tritanomaly
29, 28.673, 263.145

Monochromacy



Original Color
30, 64.535, 293.438

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 24.914, 279.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 64.527, 293.480 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(3, 63, 165)` looks like.

```
.text, #text, p{  
    color:rgb(3, 63, 165)  
}
```

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(3, 63, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 63, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 64.527, 293.480 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(3, 63, 165) }
```

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

```
.border{ border-color:rgb(3, 63, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 63, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 63, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 63, 165);  
box-shadow:4px 4px 4px 4px rgb(3, 63, 165)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 64.527, 293.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 63, 165) }
```

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

```
.background{ background-color: rgb(3, 63,  
165) }
```

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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