

Converting Colors

CIELCh(8, 102.044, 322.520)

Have a look what the booklet for
CIELCh(8, 102.044, 322.520)
contains.

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Color

CIELCh(18, 65.200, 316.525)

Conversions

Conversions Part 1

Format	Color
Hex	48006E
RGB	72, 0, 110
RGB Percent	28%, 0%, 43%
CMY	0.7159, 1.0000, 0.5668
CMYK	0.34, 1.00, 0.00, 0.57
HSL	279°, 100%, 22%
HSV	279°, 100%, 43%
XYZ	5.5403, 2.5180, 15.0817
YIQ	34.0680, 7.6020, 49.4740

Conversions

Conversions Part 2

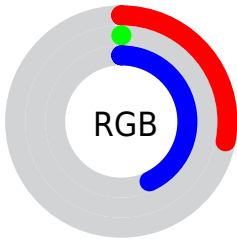
Format	Color
R_{YB}	72, 0, 110
Decimal	4718702
CIE _{Lab}	18.00, 47.31, -44.86
CIE _{LCh}	18, 65.200, 316.525
Yxy	2.5180, 0.2394, 0.1088
Android (android.graphics.Color)	4282908782 (0xFF48006E)
YUV	34.0680, 37.4345, 33.2664
Hunter-Lab	15.8683, 34.5520, -45.2428

Details

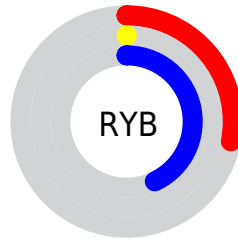
The CIELCh color **18, 65.200, 316.525** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **41, 61.163, 131.608**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 65.118, 316.285**, and **5, 42.845, 308.767** is the 20% darker color. If you saturate the color by 10%, you get **18, 65.000, 316.478**, and if you desaturate by 10%, it is **20, 61.281, 316.741**.

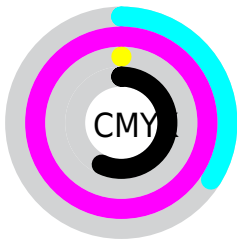
Distribution



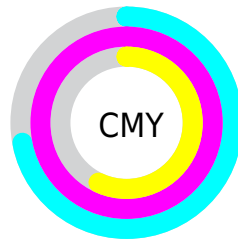
- Red (28%)
- Green (0%)
- Blue (43%)



- Red (28%)
- Yellow (0%)
- Blue (43%)



- Cyan (34%)
- Magenta (100%)
- Yellow (0%)
- Black (57%)



- Cyan (72%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 65.200, 316.525 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 18, 65.200, 316.525 by changing the saturation by 10% instead.

■ 18, 65.200,
316.525

■ 18, 65.200,
316.525

■ 100, 65.200,
316.525

■ 8, 65.200, 316.525

■ 38, 65.200,
316.525

■ 0, 65.200, 316.525

■ 48, 65.200,
316.525


■ 58, 65.200,
316.525


■ 68, 65.200,
316.525


■ 78, 65.200,
316.525


■ 88, 65.200,


316.525


 98, 65.200,
316.525


 18, 65.200,
316.525

 18, 65.200,
316.525


 18, 65.000,
316.478

 20, 61.281,
316.741

 22, 56.869,
316.924

 24, 51.171,
316.876

 27, 44.556,
316.662

 30, 37.372,
316.340

■ 33, 29.892,
315.954

■ 36, 22.309,
315.539

■ 40, 14.752,
315.116

■ 43, 7.302, 314.698

Harmonies

Complementary

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



18, 65.200, 316.525



41, 61.163, 131.608

Rectangle

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



18, 65.200, 316.525



18, 65.200, 6.525



18, 65.200, 136.525



18, 65.200, 186.525

Sweetspot

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



18, 65.000, 316.478



47, 27.550, 315.572



18, 48.918, 293.810



22, 18.700, 315.703



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



18, 65.000, 316.478



25, 78.314, 316.218



24, 55.780, 334.893



22, 4.155, 314.657



20, 68.926, 316.390



45, 118.155, 315.823

Inverse Universe

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



22, 46.050, 14.198



30, 55.651, 15.767



40, 61.164, 138.326



22, 2.930, 353.707



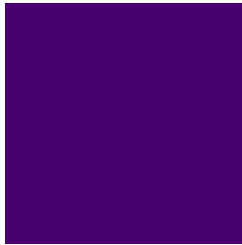
24, 48.878, 14.733



52, 84.493, 18.150

Previews

White Background



This preview shows how the CIELCh color 18, 65.200, 316.525 looks on a white background.

Color Contrast Check

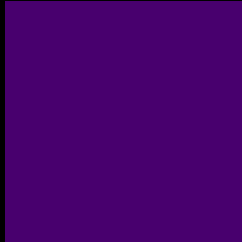
Large Text (above 18pt) WCAG AA ✓ Pass

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 18, 65.200, 316.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

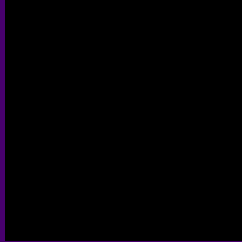
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 65.200, 316.525

Background



This preview shows how black text looks on a background with the CIELCh color 18, 65.200, 316.525.



This preview shows how white text looks on a background with the CIELCh color 18, 65.200, 316.525.

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

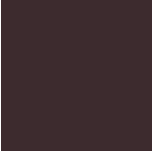
18, 64.816, 316.445

Protanopia

19, 35.791, 284.013

Deuteranopia

19, 25.451, 270.099



Tritanopia
20, 8.991, 8.504

Trichromacy



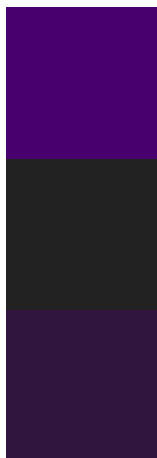
Original Color
18, 64.816, 316.445

Protanomaly
16, 50.745, 300.669

Deuteranomaly
16, 43.664, 298.738

Tritanomaly
17, 31.614, 324.290

Monochromacy



Original Color
18, 64.816, 316.445

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 29.684, 316.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 65.200, 316.525 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(72, 0, 110)` looks like.

```
.text, #text, p{  
    color:rgb(72, 0, 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(72, 0, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 0, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 65.200, 316.525 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(72, 0, 110) }
```

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

```
.border{ border-color:rgb(72, 0, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 0, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 0, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 0, 110);  
box-shadow:4px 4px 4px 4px rgb(72, 0, 110)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 65.200, 316.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 0, 110) }
```

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

```
.background{ background-color: rgb(72, 0,  
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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