

Converting Colors

CIELCh(18, 56.715, 320.094)

Have a look what the booklet for
CIELCh(18, 56.715, 320.094)
contains.

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Color

CIELCh(18, 56.885, 319.986)

Conversions

Conversions Part 1

Format	Color
Hex	4C0562
RGB	76, 5, 98
RGB Percent	30%, 2%, 38%
CMY	0.7024, 0.9809, 0.6161
CMYK	0.22, 0.95, 0.00, 0.62
HSL	286°, 91%, 20%
HSV	286°, 95%, 38%
XYZ	5.2252, 2.5180, 11.7417
YIQ	36.8310, 12.4630, 43.9750

Conversions

Conversions Part 2

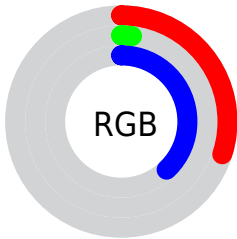
Format	Color
RYB	76, 5, 98
Decimal	4982114
CIELab	18.00, 43.57, -36.58
CIElCh	18, 56.885, 319.986
Yxy	2.5180, 0.2682, 0.1292
Android (android.graphics.Color)	4283172194 (0xFF4C0562)
YUV	36.8310, 30.1563, 34.3512
Hunter-Lab	15.8683, 31.0082, -32.7635

Details

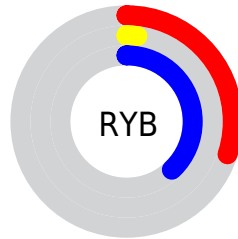
The CIELCh color **18, 56.885, 319.986** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **36, 55.763, 133.636**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 56.475, 319.945**, and **5, 36.042, 313.481** is the 20% darker color. If you saturate the color by 10%, you get **17, 58.591, 319.920**, and if you desaturate by 10%, it is **19, 53.551, 320.176**.

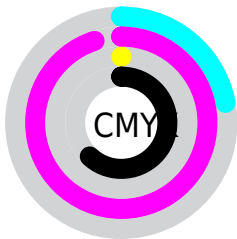
Distribution



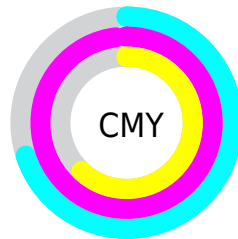
- Red (30%)
- Green (2%)
- Blue (38%)



- Red (30%)
- Yellow (2%)
- Blue (38%)



- Cyan (22%)
- Magenta (95%)
- Yellow (0%)
- Black (62%)





- Cyan (70%)
- Magenta (98%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 56.885, 319.986 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, 56.885, 319.986 by changing the saturation by 10% instead.

 18, 56.885,
319.986


 18, 56.885,
319.986

 100, 56.885,
319.986


 8, 56.885, 319.986


 38, 56.885,
319.986

 0, 56.885, 319.986

 48, 56.885,
319.986


 58, 56.885,
319.986


 68, 56.885,
319.986


 78, 56.885,
319.986


 88, 56.885,


319.986


 98, 56.885,
319.986


 18, 56.885,
319.986


 18, 56.885,
319.986


 17, 58.591,
319.920

 19, 53.551,
320.176

 21, 49.179,
320.211

 23, 43.777,
320.082

 26, 37.635,
319.834

 28, 31.022,
319.504

■ 31, 24.157,
319.124

■ 34, 17.197,
318.718

■ 37, 10.255,
318.302

■ 40, 3.400, 317.873

Harmonies

Complementary

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



18, 56.885, 319.986



36, 55.763, 133.636

Rectangle

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



18, 56.885, 319.986



18, 56.885, 9.986



18, 56.885, 139.986



18, 56.885, 189.986

Sweetspot

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



18, 56.884, 319.986



43, 24.821, 318.916



14, 48.710, 297.385



20, 16.899, 319.035



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



18, 56.884, 319.986



24, 70.762, 319.692



21, 46.875, 339.847



18, 3.776, 318.043



21, 64.542, 319.796



47, 113.085, 319.313

Inverse Universe

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



19, 42.104, 20.864



26, 53.569, 24.630



36, 51.096, 141.629



18, 2.456, 1.212



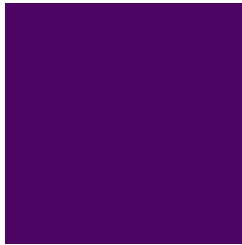
22, 48.615, 23.782



50, 87.325, 27.599

Previews

White Background



This preview shows how the CIELCh color 18, 56.885, 319.986 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, 56.885, 319.986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

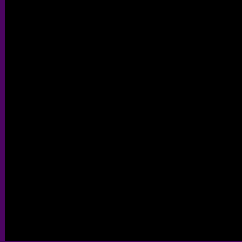
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 56.885, 319.986

Background



This preview shows how black text looks on a background with the CIELCh color 18, 56.885, 319.986.



This preview shows how white text looks on a background with the CIELCh color 18, 56.885, 319.986.

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, 56.885, 319.986

Protanopia
19, 34.543, 282.961

Deuteranopia
19, 26.016, 271.668



Tritanopia
19, 14.662, 15.231

Trichromacy



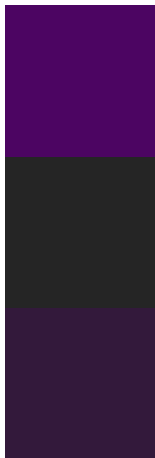
Original Color
18, 56.885, 319.986

Protanomaly
16, 45.519, 299.596

Deuteranomaly
15, 39.653, 298.054

Tritanomaly
17, 29.530, 333.555

Monochromacy



Original Color
18, 56.885, 319.986

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 25.924, 319.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 56.885, 319.986 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(76, 5, 98)` looks like.

```
.text, #text, p{  
    color:rgb(76, 5, 98)  
}
```

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(76, 5, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 5, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 56.885, 319.986 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(76, 5, 98) }
```

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

```
.border{ border-color:rgb(76, 5, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 5, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 5, 98); -webkit-box-shadow:4px  
4px 4px 4px rgb(76, 5, 98); box-shadow:4px  
4px 4px 4px rgb(76, 5, 98) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 56.885, 319.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 5, 98) }
```

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

```
.background{ background-color: rgb(76, 5,  
98) }
```

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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