

Converting Colors

CIELCh(16, 22.007, 329.074)

Have a look what the booklet for
CIELCh(16, 22.007, 329.074)
contains.

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Color

CIELCh(16, 22.285, 328.770)

Conversions

Conversions Part 1

Format	Color
Hex	3A1D38
RGB	58, 29, 56
RGB Percent	23%, 11%, 22%
CMY	0.7709, 0.8848, 0.7788
CMYK	0.00, 0.50, 0.03, 0.77
HSL	304°, 33%, 17%
HSV	304°, 50%, 23%
XYZ	2.9418, 2.0993, 4.0436
YIQ	40.7490, 8.6170, 14.5450

Conversions

Conversions Part 2

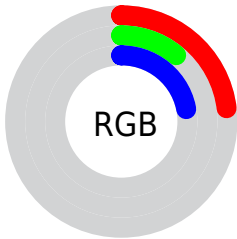
Format	Color
RYB	58, 29, 56
Decimal	3808568
CIELab	16.00, 19.06, -11.55
CIELCh	16, 22.285, 328.770
Yxy	2.0993, 0.3238, 0.2311
Android (android.graphics.Color)	4281998648 (0xFF3A1D38)
YUV	40.7490, 7.5187, 15.1291
Hunter-Lab	14.4890, 10.8868, -6.4044

Details

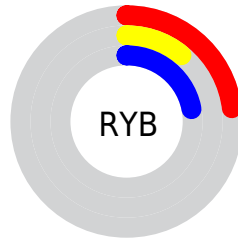
The CIELCh color **16, 22.285, 328.770** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 22.346, 142.967**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 22.115, 328.726**, and **0, 4.446, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **15, 26.320, 329.225**, and if you desaturate by 10%, it is **18, 17.971, 328.295**.

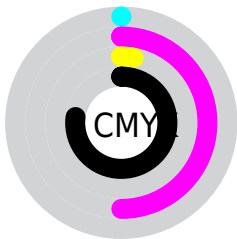
Distribution



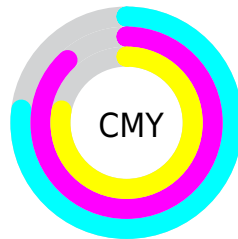
- Red (23%)
- Green (11%)
- Blue (22%)



- Red (23%)
- Yellow (11%)
- Blue (22%)



- Cyan (0%)
- Magenta (50%)
- Yellow (3%)
- Black (77%)



- Cyan (77%)
- Magenta (88%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 22.285, 328.770 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 16, 22.285, 328.770 by changing the saturation by 10% instead.

■ 16, 22.285,
328.770

■ 16, 22.285,
328.770

■ 100, 22.285,
328.770

■ 6, 22.285, 328.770

■ 36, 22.285,
328.770

■ 0, 22.285, 328.770

■ 46, 22.285,
328.770


■ 56, 22.285,
328.770


■ 66, 22.285,
328.770


■ 76, 22.285,
328.770


■ 86, 22.285,


328.770


 96, 22.285,
328.770


 16, 22.285,
328.770


 16, 22.285,
328.770

 15, 26.320,
329.225


 18, 17.971,
328.295

 13, 29.947,
329.653


 19, 13.494,
327.807

 12, 33.027,
330.048

 21, 8.942, 327.310

 11, 35.660,
330.414

 23, 4.383, 326.806

 10, 38.502,
330.768

 25, 0.134, 147.210

 27, 4.577, 145.900

■ 10, 38.593,
330.778

■ 29, 8.925, 145.429

■ 30, 13.167,
144.982

■ 32, 17.297,
144.556

Harmonies

Complementary

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



16, 22.285, 328.770



22, 22.346, 142.967

Rectangle

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



16, 22.285, 328.770



16, 22.285, 18.770



16, 22.285, 148.770



16, 22.285, 198.770

Sweetspot

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



16, 22.284, 328.770



29, 8.519, 327.112



13, 20.939, 297.938



13, 5.706, 327.142



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



16, 22.284, 328.770



20, 32.897, 329.364



15, 16.295, 352.130



9, 2.419, 326.732



20, 52.076, 330.985



51, 97.609, 331.233

Inverse Universe

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



16, 22.284, 328.770



20, 32.897, 329.364



22, 15.180, 162.984



9, 2.419, 326.732



20, 52.076, 330.985



51, 97.609, 331.233

Previews

White Background



This preview shows how the CIE LCh color 16, 22.285, 328.770 looks on a white background.

Color Contrast Check

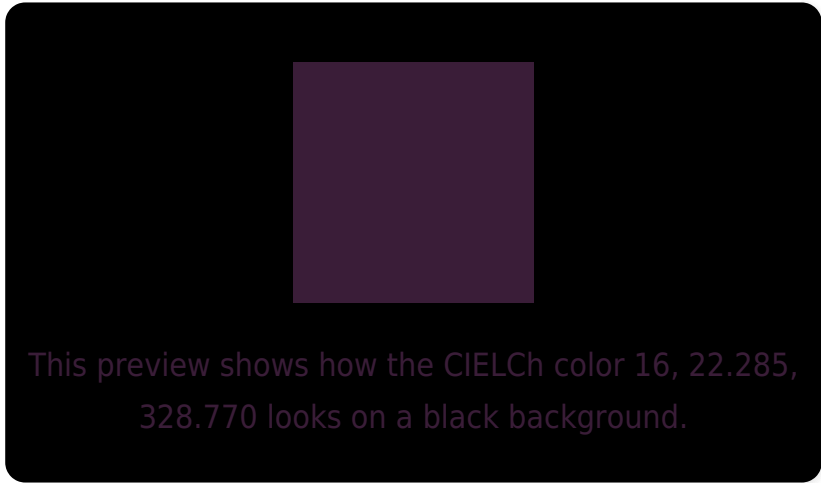
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

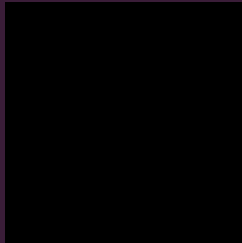
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 22.285, 328.770

Background



This preview shows how black text looks on a background with the CIELCh color 16, 22.285, 328.770.



This preview shows how white text looks on a background with the CIELCh color 16, 22.285, 328.770.

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

16, 22.285, 328.770

Protanopia

16, 17.604, 283.997

Deuteranopia

16, 10.569, 283.924



Tritanopia
16, 11.323, 11.959

Trichromacy



Original Color
16, 22.285, 328.770

Protanomaly
16, 18.413, 300.919

Deuteranomaly
16, 14.515, 307.228

Tritanomaly
16, 14.454, 348.508

Monochromacy



Original Color
16, 22.285, 328.770

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 8.433, 325.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 22.285, 328.770 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(58, 29, 56)` looks like.

```
.text, #text, p{  
    color:rgb(58, 29, 56)  
}
```

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(58, 29, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 29, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 22.285, 328.770 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(58, 29, 56) }
```

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

```
.border{ border-color:rgb(58, 29, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 29, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 29, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 29, 56);  
box-shadow:4px 4px 4px 4px rgb(58, 29, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 22.285, 328.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 29, 56) }
```

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

```
.background{ background-color: rgb(58, 29,  
56) }
```

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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