

Converting Colors

CIELCh(16, 6.567, 178.723)

Have a look what the booklet for
CIELCh(16, 6.567, 178.723) contains.

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Color

CIELCh(16, 6.365, 178.618)

Conversions

Conversions Part 1

Format	Color
Hex	1D2A27
RGB	29, 42, 39
RGB Percent	11%, 16%, 15%
CMY	0.8848, 0.8338, 0.8456
CMYK	0.31, 0.00, 0.07, 0.83
HSL	166°, 18%, 14%
HSV	166°, 31%, 17%
XYZ	1.7317, 2.0993, 2.2668
YIQ	37.7710, -6.7850, -3.6890

Conversions

Conversions Part 2

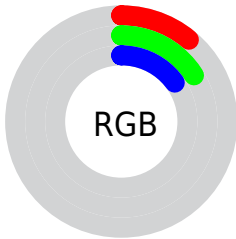
Format	Color
R_{YB}	29, 36, 42
Decimal	1911335
CIE Lab	16.00, -6.36, 0.15
CIE LCh	16, 6.365, 178.618
Yxy	2.0993, 0.2840, 0.3443
Android (android.graphics.Color)	4280101415 (0xFF1D2A27)
YUV	37.7710, 0.6059, -7.6922
Hunter-Lab	14.4890, -4.0214, 0.8665

Details

The CIELCh color **16, 6.365, 178.618** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **13, 6.974, 3.529**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 6.139, 180.868**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 8.295, 177.769**, and if you desaturate by 10%, it is **16, 4.350, 179.422**.

Distribution



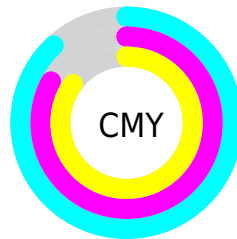
- Red (11%)
- Green (16%)
- Blue (15%)



- Red (11%)
- Yellow (14%)
- Blue (16%)



- Cyan (31%)
- Magenta (0%)
- Yellow (7%)
- Black (83%)



- Cyan (88%)
- Magenta (83%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 6.365, 178.618 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, 6.365, 178.618 by changing the saturation by 10% instead.

■ 16, 6.365, 178.618

■ 16, 6.365, 178.618

■ 100, 6.365,
178.618

■ 6, 6.365, 178.618

■ 36, 6.365, 178.618

■ 0, 6.365, 178.618

■ 46, 6.365, 178.618

■ 56, 6.365, 178.618

■ 66, 6.365, 178.618

■ 76, 6.365, 178.618

■ 86, 6.365, 178.618

■ 96, 6.365, 178.618

■ 16, 6.365, 178.618

■ 16, 6.365, 178.618

■ 16, 8.295, 177.769

■ 16, 4.350, 179.422

■ 15, 10.117,
176.874

■ 17, 2.271, 180.215

■ 15, 11.807,
175.918

■ 17, 0.148, 182.026

■ 18, 2.001, 1.475

■ 15, 13.344,
174.890

■ 18, 4.162, 2.191

■ 15, 14.732,
173.808

■ 19, 6.323, 2.855

■ 19, 8.473, 3.492

■ 15, 16.146,
172.894

■ 20, 10.604, 4.107

■ 14, 17.521,
172.208

■ 20, 12.712, 4.703

Harmonies

Complementary

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



16, 6.365, 178.618



13, 6.974, 3.529

Rectangle

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



16, 6.365, 178.618



16, 6.365, 228.618



16, 6.365, 358.618



16, 6.365, 48.618

Sweetspot

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



16, 6.365, 178.615



23, 2.423, 180.306



16, 10.350, 136.596



10, 1.640, 180.292



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



16, 6.365, 178.615



22, 9.579, 177.882



15, 4.829, 229.333



6, 0.952, 180.454



31, 28.222, 169.545



76, 56.357, 167.625

Inverse Universe

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



13, 6.974, 3.529



17, 10.795, 4.506



14, 5.630, 46.319



6, 0.947, 1.384



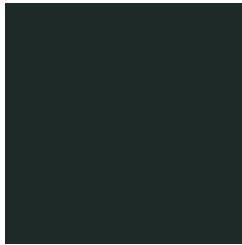
15, 39.276, 21.761



44, 79.507, 27.591

Previews

White Background



This preview shows how the CIELCh color 16, 6.365, 178.618 looks on a white background.

Color Contrast Check

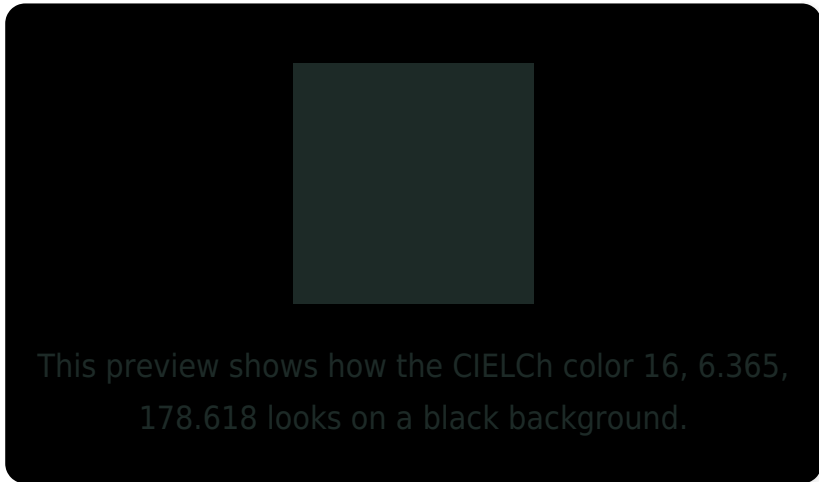
Large Text (above 18pt) WCAG AA ✓ Pass

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

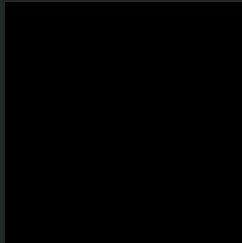
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

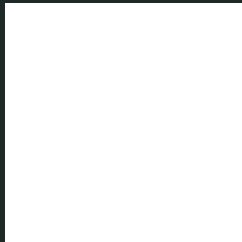
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 6.365, 178.618

Background



This preview shows how black text looks on a background with the CIELCh color 16, 6.365, 178.618.

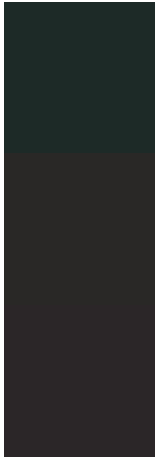


This preview shows how white text looks on a background with the CIELCh color 16, 6.365, 178.618.

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, 6.365, 178.618

Protanopia

16, 1.474, 90.355

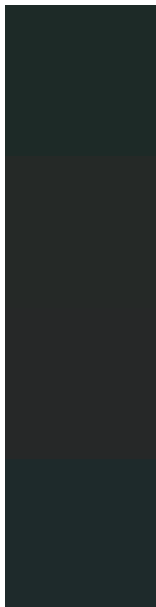
Deuteranopia

16, 2.815, 350.209



Tritanopia
16, 5.207, 222.411

Trichromacy



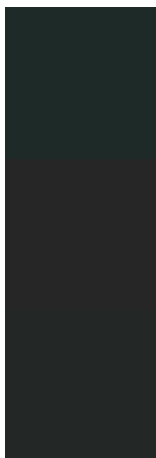
Original Color
16, 6.365, 178.618

Protanomaly
16, 2.387, 163.066

Deuteranomaly
16, 0.953, 199.379

Tritanomaly
16, 5.361, 205.855

Monochromacy



Original Color
16, 6.365, 178.618

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 2.484, 182.440

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 6.365, 178.618 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(29, 42, 39)` looks like.

```
.text, #text, p{  
    color:rgb(29, 42, 39)  
}
```

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(29, 42, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 42, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 6.365, 178.618 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(29, 42, 39) }
```

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

```
.border{ border-color:rgb(29, 42, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 42, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 42, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 42, 39);  
box-shadow:4px 4px 4px 4px rgb(29, 42, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 6.365, 178.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 42, 39) }
```

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

```
.background{ background-color: rgb(29, 42,  
39) }
```

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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