

Converting Colors

CIELCh(17, 27.351, 8.511)

Have a look what the booklet for
CIELCh(17, 27.351, 8.511) contains.

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Color

CIELCh(17, 27.578, 8.358)

Conversions

Conversions Part 1

Format	Color
Hex	4D1625
RGB	77, 22, 37
RGB Percent	30%, 9%, 15%
CMY	0.6972, 0.9130, 0.8542
CMYK	0.00, 0.71, 0.52, 0.70
HSL	344°, 55%, 19%
HSV	344°, 71%, 30%
XYZ	3.7046, 2.3023, 2.0134
YIQ	40.1550, 27.9650, 16.3250

Conversions

Conversions Part 2

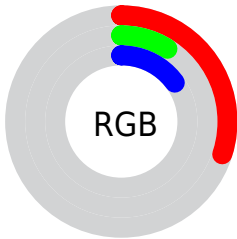
Format	Color
R_{YB}	77, 22, 37
Decimal	5051941
CIE Lab	17.00, 27.29, 4.01
CIE LCh	17, 27.578, 8.358
Yxy	2.3023, 0.4619, 0.2871
Android (android.graphics.Color)	4283242021 (0xFF4D1625)
YUV	40.1550, -1.5554, 32.3131
Hunter-Lab	15.1734, 17.0273, 2.7539




Details

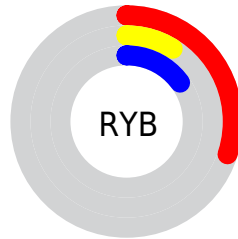
The CIELCh color **17, 27.578, 8.358** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **29, 22.358, 170.547**, and the grayscale version is **16, 0.003, 296.813**.


A 20% lighter version of the original color is **37, 27.454, 9.098**, and **2, 10.025, 17.100** is the 20% darker color. If you saturate the color by 10%, you get **16, 30.811, 11.352**, and if you desaturate by 10%, it is **19, 23.938, 5.944**.

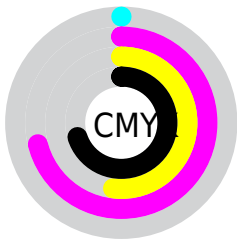
Distribution







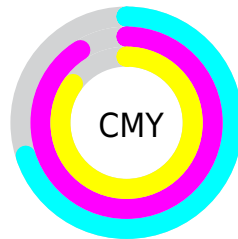
-  Red (30%)
-  Green (9%)
-  Blue (15%)






-  Red (30%)
-  Yellow (9%)
-  Blue (15%)



-  Cyan (0%)
-  Magenta (71%)
-  Yellow (52%)
-  Black (70%)



-  Cyan (70%)
-  Magenta (91%)
-  Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 27.578, 8.358 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 17, 27.578, 8.358 by changing the saturation by 10% instead.

 17, 27.578, 8.358  17, 27.578, 8.358

 100, 27.578, 8.358  7, 27.578, 8.358

 37, 27.578, 8.358  0, 27.578, 8.358

 47, 27.578, 8.358

 57, 27.578, 8.358

 67, 27.578, 8.358

 77, 27.578, 8.358

 87, 27.578, 8.358

 97, 27.578, 8.358

 17, 27.578, 8.358  17, 27.578, 8.358

16, 30.811, 11.352

19, 23.938, 5.944

14, 33.629, 14.909

21, 20.039, 3.981

13, 36.313, 17.580

23, 16.017, 2.365

25, 11.983, 1.010

28, 8.015, 359.852

30, 4.164, 358.831

33, 0.455, 357.480

35, 3.098, 177.328

38, 6.496, 176.595

Harmonies

Complementary

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



17, 27.578, 8.358



29, 22.358, 170.547

Rectangle

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



17, 27.578, 8.358



17, 27.578, 58.358



17, 27.578, 188.358



17, 27.578, 238.358

Sweetspot

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



17, 27.576, 8.360



36, 9.776, 359.905



16, 38.973, 318.700



17, 6.688, 0.061



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



17, 27.576, 8.360



21, 39.280, 14.167



19, 25.887, 42.101



14, 2.039, 358.576



20, 44.505, 20.056



48, 82.598, 24.453

Inverse Universe

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



17, 27.576, 8.360



21, 39.280, 14.167



25, 15.596, 228.012



14, 2.039, 358.576



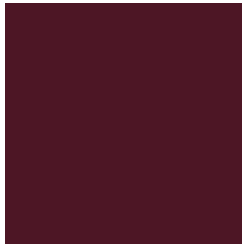
20, 44.505, 20.056



48, 82.598, 24.453

Previews

White Background



This preview shows how the CIE LCh color 17, 27.578, 8.358 looks on a white background.

Color Contrast Check

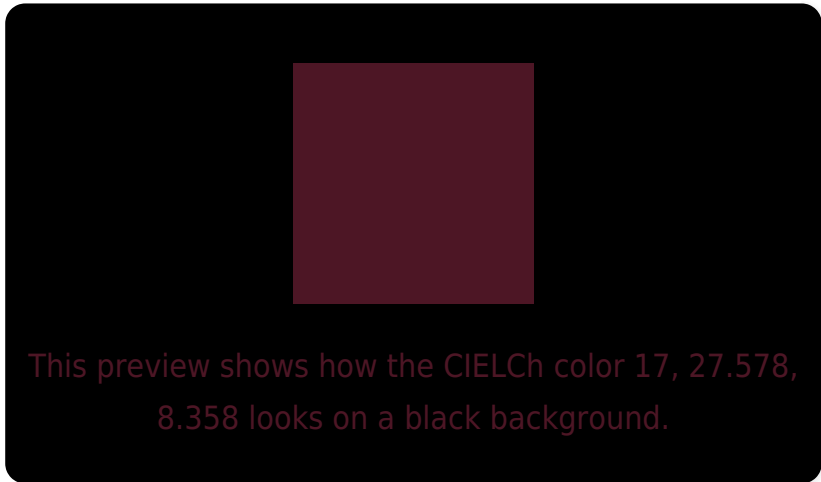
Large Text (above 18pt) WCAG AA ✓ Pass

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

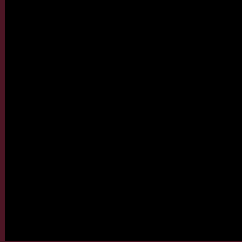
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 27.578, 8.358

Background



This preview shows how black text looks on a background with the CIELCh color 17, 27.578, 8.358.



This preview shows how white text looks on a background with the CIELCh color 17, 27.578, 8.358.

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

17, 27.578, 8.358

Protanopia

18, 3.464, 291.063

Deuteranopia

18, 6.728, 65.423



Tritanopia
17, 27.543, 26.428

Trichromacy



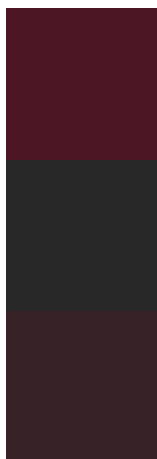
Original Color
17, 27.578, 8.358

Protanomaly
16, 11.426, 349.495

Deuteranomaly
17, 13.395, 19.965

Tritanomaly
17, 27.182, 19.972

Monochromacy



Original Color
17, 27.578, 8.358

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 10.514, 3.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 27.578, 8.358 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(77, 22, 37)` looks like.

```
.text, #text, p{  
    color:rgb(77, 22, 37)  
}
```

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(77, 22, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 22, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 27.578, 8.358 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(77, 22, 37) }
```

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

```
.border{ border-color:rgb(77, 22, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 22, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 22, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 22, 37);  
box-shadow:4px 4px 4px 4px rgb(77, 22, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 27.578, 8.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 22, 37) }
```

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

```
.background{ background-color: rgb(77, 22,  
37) }
```

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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