

Converting Colors

CIELCh(27, 8.049, 200.776)

Have a look what the booklet for
CIELCh(27, 8.049, 200.776) contains.

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Color

CIELCh(27, 7.819, 202.994)

Conversions

Conversions Part 1

Format	Color
Hex	304344
RGB	48, 67, 68
RGB Percent	19%, 26%, 27%
CMY	0.8109, 0.7364, 0.7325
CMYK	0.29, 0.01, 0.00, 0.73
HSL	183°, 17%, 23%
HSV	183°, 29%, 27%
XYZ	4.2990, 5.0937, 6.2603
YIQ	61.4330, -11.6450, -3.7170

Conversions

Conversions Part 2

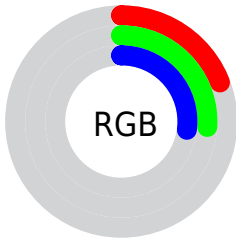
Format	Color
RYB	48, 58, 68
Decimal	3162948
CIELab	27.00, -7.20, -3.05
CIELCh	27, 7.819, 202.994
Yxy	5.0937, 0.2746, 0.3254
Android (android.graphics.Color)	4281353028 (0xFF304344)
YUV	61.4330, 3.2375, -11.7807
Hunter-Lab	22.5692, -5.4954, -0.6475

Details

The CIELCh color **27, 7.819, 202.994** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 9.351, 25.315**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 7.730, 203.002**, and **7, 8.039, 199.234** is the 20% darker color. If you saturate the color by 10%, you get **26, 10.121, 202.818**, and if you desaturate by 10%, it is **28, 5.309, 203.235**.

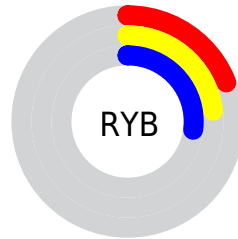
Distribution



Red (19%)

Green (26%)

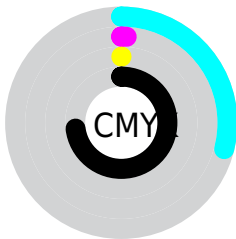
Blue (27%)



Red (19%)

Yellow (23%)

Blue (27%)

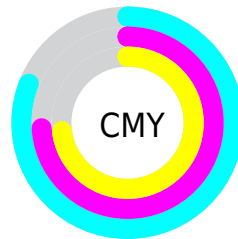


Cyan (29%)

Magenta (1%)

Yellow (0%)

Black (73%)



Cyan (81%)

Magenta (74%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 7.819, 202.994 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 27, 7.819, 202.994 by changing the saturation by 10% instead.

■ 27, 7.819, 202.994

■ 27, 7.819, 202.994

■ 100, 7.819,
202.994

■ 17, 7.819, 202.994

■ 47, 7.819, 202.994

■ 7, 7.819, 202.994

■ 57, 7.819, 202.994

■ 0, 7.819, 202.994

■ 67, 7.819, 202.994

■ 77, 7.819, 202.994

■ 87, 7.819, 202.994

■ 97, 7.819, 202.994

■ 27, 7.819, 202.994

■ 27, 7.819, 202.994

■ 26, 10.121,
202.818

■ 28, 5.309, 203.235

■ 26, 12.178,
202.728

■ 28, 2.627, 203.572

■ 29, 0.194, 22.469

■ 26, 13.956,
202.730

■ 30, 3.120, 24.091

■ 31, 6.125, 24.528

■ 25, 15.427,
202.836

■ 31, 9.186, 24.960

■ 25, 16.575,
203.058

■ 32, 12.282, 25.400

■ 25, 17.421,
203.391

■ 33, 15.398, 25.846

■ 34, 18.522, 26.296

■ 24, 18.232,
203.703

■ 24, 18.288,
203.722

Harmonies

Complementary

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



27, 7.819, 202.994



23, 9.351, 25.315

Rectangle

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



27, 7.819, 202.994



27, 7.819, 252.994



27, 7.819, 22.994



27, 7.819, 72.994

Sweetspot

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



27, 7.819, 202.989



37, 3.168, 203.570



27, 15.540, 143.577



18, 2.216, 203.538



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



27, 7.819, 202.989



35, 11.381, 202.859



24, 7.927, 262.925



12, 1.532, 203.608



35, 23.167, 204.140



78, 42.544, 204.786

Inverse Universe

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



23, 15.373, 327.255



29, 22.878, 327.607



25, 8.383, 75.626



12, 2.832, 326.197



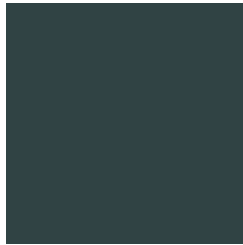
21, 54.833, 330.191



53, 100.847, 330.351

Previews

White Background



This preview shows how the CIELCh color 27, 7.819, 202.994 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 CIE LCh color 27, 7.819, 202.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

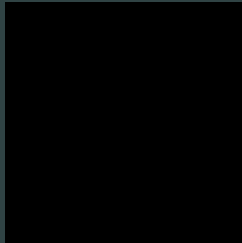
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

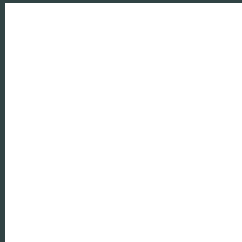
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 7.819, 202.994

Background



This preview shows how black text looks on a background with the CIELCh color 27, 7.819, 202.994.



This preview shows how white text looks on a background with the CIELCh color 27, 7.819, 202.994.

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

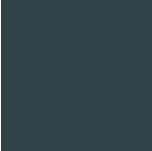
27, 7.819, 202.994

Protanopia

27, 2.014, 303.251

Deuteranopia

27, 5.090, 316.544



Tritanopia
27, 7.837, 223.067

Trichromacy



Original Color
27, 7.819, 202.994

Protanomaly
27, 3.258, 222.645

Deuteranomaly
27, 3.648, 262.796

Tritanomaly
27, 7.659, 218.340

Monochromacy



Original Color
27, 7.819, 202.994

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 3.059, 198.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 7.819, 202.994 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(48, 67, 68)` looks like.

```
.text, #text, p{  
    color:rgb(48, 67, 68)  
}
```

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(48, 67, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 67, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 7.819, 202.994 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(48, 67, 68) }
```

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

```
.border{ border-color:rgb(48, 67, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 67, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 67, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 67, 68);  
box-shadow:4px 4px 4px 4px rgb(48, 67, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 7.819, 202.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 67, 68) }
```

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

```
.background{ background-color: rgb(48, 67,  
68) }
```

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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