

Converting Colors

CIELCh(32, 9.159, 18.410)

Have a look what the booklet for
CIELCh(32, 9.159, 18.410) contains.

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Color

CIELCh(32, 9.122, 16.956)

Conversions

Conversions Part 1

Format	Color
Hex	5A4647
RGB	90, 70, 71
RGB Percent	35%, 27%, 28%
CMY	0.6454, 0.7239, 0.7200
CMYK	0.00, 0.22, 0.21, 0.65
HSL	357°, 12%, 32%
HSV	357°, 22%, 35%
XYZ	7.6227, 7.0852, 6.9942
YIQ	76.0940, 11.5990, 4.5510

Conversions

Conversions Part 2

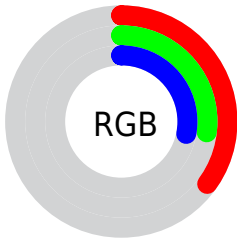
Format	Color
RYB	90, 70, 71
Decimal	5916231
CIELab	32.00, 8.73, 2.66
CIElCh	32, 9.122, 16.956
Yxy	7.0852, 0.3512, 0.3265
Android (android.graphics.Color)	4284106311 (0xFF5A4647)
YUV	76.0940, -2.5113, 12.1956
Hunter-Lab	26.6180, 4.5362, 3.0533

Details

The CIELCh color $32, 9.122, 16.956$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $37, 8.075, 193.950$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $52, 9.103, 16.783$, and $12, 9.033, 17.579$ is the 20% darker color. If you saturate the color by 10%, you get $29, 13.668, 18.058$, and if you desaturate by 10%, it is $35, 4.838, 16.058$.

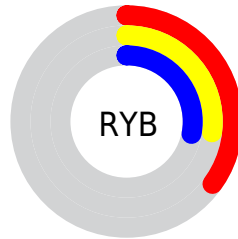
Distribution



Red (35%)

Green (27%)

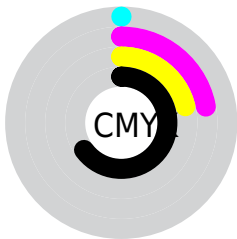
Blue (28%)



Red (35%)

Yellow (27%)

Blue (28%)

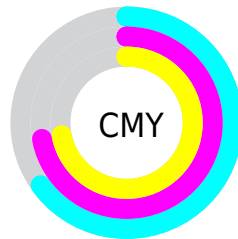


Cyan (0%)

Magenta (22%)

Yellow (21%)

Black (65%)



Cyan (65%)


Magenta (72%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 9.122, 16.956 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 32, 9.122, 16.956 by changing the saturation by 10% instead.

 32, 9.122, 16.956  32, 9.122, 16.956

 100, 9.122, 16.956  22, 9.122, 16.956

 52, 9.122, 16.956  12, 9.122, 16.956

 62, 9.122, 16.956  2, 9.122, 16.956

 72, 9.122, 16.956  0, 9.122, 16.956

 82, 9.122, 16.956

 92, 9.122, 16.956

 32, 9.122, 16.956  32, 9.122, 16.956

 29, 13.668, 18.058  35, 4.838, 16.058

 27, 18.449, 19.421  38, 0.825, 15.034

■ 24, 23.405, 21.137

■ 41, 2.927, 194.920

■ 22, 28.438, 23.300

■ 44, 6.436, 194.367

■ 20, 33.417, 25.999

■ 47, 9.724, 193.931

■ 18, 38.183, 29.254

■ 50, 12.811,
193.563

■ 17, 42.013, 31.597

■ 53, 15.721,
193.246

■ 17, 44.587, 32.239

■ 56, 18.472,
192.971

■ 59, 21.083,
192.728

Harmonies

Complementary

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



32, 9.122, 16.956



37, 8.075, 193.950

Rectangle

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



32, 9.122, 16.956



32, 9.122, 66.956



32, 9.122, 196.956



32, 9.122, 246.956

Sweetspot

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



32, 9.121, 16.963



47, 3.401, 15.644



33, 14.952, 324.141



23, 2.189, 15.664



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



32, 9.121, 16.963



40, 14.040, 17.560



35, 7.563, 67.455



17, 2.236, 15.782



21, 52.585, 34.870



50, 97.039, 38.528

Inverse Universe

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



32, 9.121, 16.963



40, 14.040, 17.560



34, 7.043, 252.630



17, 2.236, 15.782



21, 52.585, 34.870



50, 97.039, 38.528

Previews

White Background



This preview shows how the CIELCh color 32, 9.122, 16.956 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 32, 9.122, 16.956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

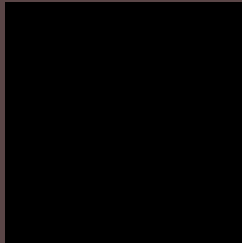
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 9.122, 16.956

Background



This preview shows how black text looks on a background with the CIELCh color 32, 9.122, 16.956.



This preview shows how white text looks on a background with the CIELCh color 32, 9.122, 16.956.

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

32, 9.122, 16.956

Protanopia

32, 1.075, 55.191

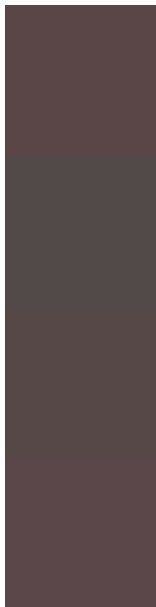
Deuteranopia

32, 5.129, 34.286



Tritanopia
32, 9.893, 2.588

Trichromacy



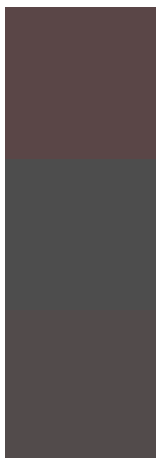
Original Color
32, 9.122, 16.956

Protanomaly
32, 4.014, 19.974

Deuteranomaly
32, 6.378, 26.011

Tritanomaly
32, 9.754, 6.144

Monochromacy



Original Color
32, 9.122, 16.956

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 3.095, 19.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 9.122, 16.956 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(90, 70, 71)` looks like.

```
.text, #text, p{  
    color:rgb(90, 70, 71)  
}
```

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(90, 70, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 70, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 9.122, 16.956 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(90, 70, 71) }
```

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

```
.border{ border-color:rgb(90, 70, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 70, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 70, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 70, 71);  
box-shadow:4px 4px 4px 4px rgb(90, 70, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 9.122, 16.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 70, 71) }
```

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

```
.background{ background-color: rgb(90, 70,  
71) }
```

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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