

Converting Colors

CIELCh(32, 12.707, 318.643)

Have a look what the booklet for
CIELCh(32, 12.707, 318.643)
contains.

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Color

CIELCh(32, 12.675, 317.220)

Conversions

Conversions Part 1

Format	Color
Hex	544759
RGB	84, 71, 89
RGB Percent	33%, 28%, 35%
CMY	0.6712, 0.7221, 0.6516
CMYK	0.06, 0.20, 0.00, 0.65
HSL	283°, 11%, 31%
HSV	283°, 20%, 35%
XYZ	7.6841, 7.0852, 10.3811
YIQ	76.9390, 1.9700, 8.3540

Conversions

Conversions Part 2

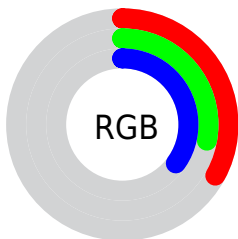
Format	Color
RYB	84, 71, 89
Decimal	5523289
CIELab	32.00, 9.30, -8.61
CIELCh	32, 12.675, 317.220
Yxy	7.0852, 0.3055, 0.2817
Android (android.graphics.Color)	4283713369 (0xFF544759)
YUV	76.9390, 5.9461, 6.1925
Hunter-Lab	26.6180, 4.9481, -4.4907

Details

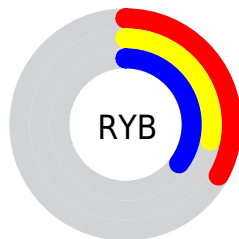
The CIELCh color $[32, 12.675, 317.220]$ is a dark color, and the websafe version is hex `333333`. A complement of this color would be $[36, 12.511, 135.584]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 13.051, 317.881]$, and $[12, 12.636, 316.594]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 19.054, 317.625]$, and if you desaturate by 10%, it is $[35, 6.360, 316.812]$.

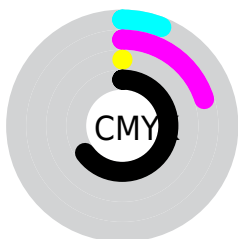
Distribution



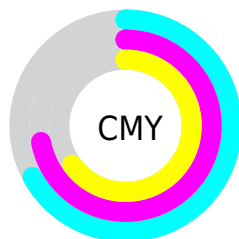
- Red (33%)
- Green (28%)
- Blue (35%)



- Red (33%)
- Yellow (28%)
- Blue (35%)



- Cyan (6%)
- Magenta (20%)
- Yellow (0%)
- Black (65%)





- Cyan (67%)
- Magenta (72%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 12.675, 317.220 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, 12.675, 317.220 by changing the saturation by 10% instead.


 32, 12.675,
317.220


 32, 12.675,
317.220

 100, 12.675,
317.220


 22, 12.675,
317.220

 52, 12.675,
317.220


 12, 12.675,
317.220


 62, 12.675,
317.220

 2, 12.675, 317.220

 72, 12.675,
317.220

 0, 12.675, 317.220

 82, 12.675,
317.220

 92, 12.675,
317.220

■ 32, 12.675,
317.220

■ 32, 12.675,
317.220

■ 29, 19.054,
317.625

■ 35, 6.360, 316.812

■ 27, 25.426,
318.017

■ 38, 0.158, 315.786

■ 41, 5.905, 136.094

■ 24, 31.681,
318.376

■ 43, 11.815,
135.741

■ 22, 37.656,
318.675

■ 46, 17.567,
135.420

■ 19, 43.138,
318.877

■ 49, 23.161,
135.125

■ 17, 47.866,
318.937

■ 52, 28.601,
134.857

■ 16, 51.586,
318.812

■ 55, 33.891,
134.613

■ 14, 55.088,

318.719

■ 58, 39.037,
134.393

Harmonies

Complementary

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



32, 12.675, 317.220



36, 12.511, 135.584

Rectangle

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



32, 12.675, 317.220



32, 12.675, 7.220



32, 12.675, 137.220



32, 12.675, 187.220

Sweetspot

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



32, 12.674, 317.220



46, 4.580, 316.643



32, 8.358, 277.475



23, 3.063, 316.658



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, 12.674, 317.220



40, 18.607, 317.403



32, 11.773, 332.300



16, 3.398, 316.751



19, 62.841, 318.516



45, 112.060, 317.938

Inverse Universe

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



32, 8.592, 359.388



40, 12.673, 359.895



36, 11.721, 149.817



16, 2.275, 358.204



21, 46.035, 19.932



49, 83.755, 24.043

Previews

White Background



This preview shows how the CIELCh color 32, 12.675, 317.220 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 CIELCh color 32, 12.675, 317.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

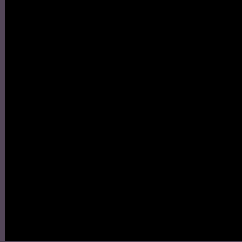
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 12.675, 317.220

Background



This preview shows how black text looks on a background with the CIELCh color 32, 12.675, 317.220.



This preview shows how white text looks on a background with the CIELCh color 32, 12.675, 317.220.

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, 12.675, 317.220

Protanopia

32, 10.175, 285.242

Deuteranopia

32, 8.933, 296.989



Tritanopia
32, 5.058, 341.527

Trichromacy



Original Color
32, 12.675, 317.220

Protanomaly
32, 10.889, 298.464

Deuteranomaly
32, 9.872, 306.318

Tritanomaly
32, 7.929, 327.674

Monochromacy



Original Color
32, 12.675, 317.220

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 4.185, 314.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 12.675, 317.220 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(84, 71, 89)` looks like.

```
.text, #text, p{  
    color:rgb(84, 71, 89)  
}
```

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(84, 71, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 71, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 12.675, 317.220 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(84, 71, 89) }
```

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

```
.border{ border-color:rgb(84, 71, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 71, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 71, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 71, 89);  
box-shadow:4px 4px 4px 4px rgb(84, 71, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 12.675, 317.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 71, 89) }
```

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

```
.background{ background-color: rgb(84, 71,  
89) }
```

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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