

Converting Colors

CIELCh(28, 46.542, 31.064)

Have a look what the booklet for
CIELCh(28, 46.542, 31.064) contains.

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Color

CIELCh(28, 46.604, 31.597)

Conversions

Conversions Part 1

Format	Color
Hex	7D201F
RGB	125, 32, 31
RGB Percent	49%, 13%, 12%
CMY	0.5108, 0.8755, 0.8792
CMYK	0.00, 0.75, 0.75, 0.51
HSL	1°, 60%, 30%
HSV	1°, 75%, 49%
XYZ	9.1733, 5.4574, 1.8530
YIQ	59.6930, 55.7490, 19.4050

Conversions

Conversions Part 2

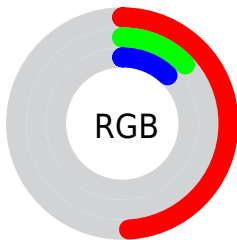
Format	Color
R_{YB}	125, 32, 31
Decimal	8200223
CIE Lab	28.00, 39.70, 24.42
CIE LCh	28, 46.604, 31.597
Yxy	5.4574, 0.5565, 0.3311
Android (android.graphics.Color)	4286390303 (0xFF7D201F)
YUV	59.6930, -14.1456, 57.2742
Hunter-Lab	23.3610, 29.2109, 11.6498

Details

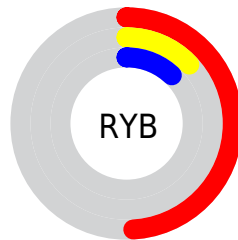
The CIELCh color **28, 46.604, 31.597** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **47, 26.671, 197.873**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 46.424, 32.007**, and **11, 35.778, 29.053** is the 20% darker color. If you saturate the color by 10%, you get **26, 52.924, 34.870**, and if you desaturate by 10%, it is **30, 39.858, 28.721**.

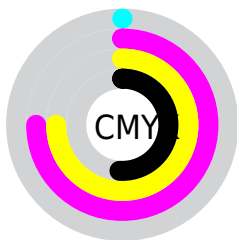
Distribution



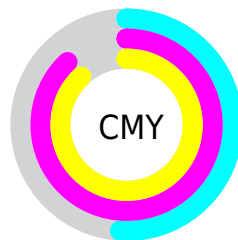
- Red (49%)
- Green (13%)
- Blue (12%)



- Red (49%)
- Yellow (13%)
- Blue (12%)



- Cyan (0%)
- Magenta (75%)
- Yellow (75%)
- Black (51%)



- Cyan (51%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 46.604, 31.597 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 28, 46.604, 31.597 by changing the saturation by 10% instead.

■ 28, 46.604, 31.597

■ 28, 46.604, 31.597

■ 100, 46.604,
31.597

■ 18, 46.604, 31.597

■ 48, 46.604, 31.597

■ 8, 46.604, 31.597

■ 58, 46.604, 31.597

■ 0, 46.604, 31.597

■ 68, 46.604, 31.597

■ 78, 46.604, 31.597

■ 88, 46.604, 31.597

■ 98, 46.604, 31.597

■ 28, 46.604, 31.597

■ 28, 46.604, 31.597

■ 26, 52.924, 34.870

■ 30, 39.858, 28.721

■ 25, 57.831, 37.449

■ 33, 33.013, 26.379

■ 25, 59.846, 38.366

■ 36, 26.280, 24.540

■ 39, 19.809, 23.115

■ 43, 13.694, 22.014

■ 47, 7.975, 21.150

■ 50, 2.660, 20.397

■ 54, 2.269, 200.204

■ 58, 6.842, 199.685

Harmonies

Complementary

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



28, 46.604, 31.597



47, 26.671, 197.873

Rectangle

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



28, 46.604, 31.597



28, 46.604, 81.597



28, 46.604, 211.597



28, 46.604, 261.597

Sweetspot

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



28, 46.602, 31.599



56, 15.410, 21.849



31, 60.185, 327.831



27, 10.731, 22.140



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



28, 46.602, 31.599



35, 69.000, 37.087



38, 38.150, 66.144



24, 2.823, 20.686



25, 59.933, 38.380



53, 103.661, 40.071

Inverse Universe

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



47, 26.671, 197.873



60, 34.749, 197.862



32, 31.222, 272.392



25, 2.672, 199.896



47, 29.138, 197.901



90, 49.013, 197.983

Previews

White Background



This preview shows how the CIELCh color 28, 46.604, 31.597 looks on a white background.

Color Contrast Check

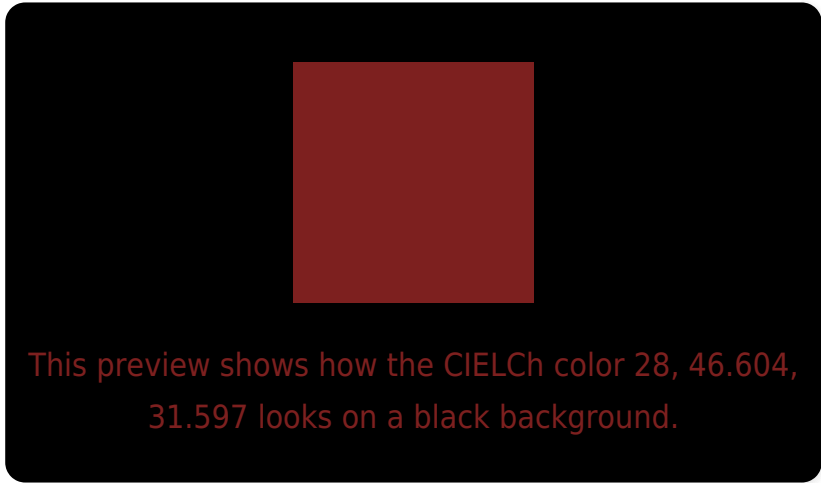
Large Text (above 18pt) WCAG AA ✓ Pass

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 28, 46.604, 31.597

Background



This preview shows how black text looks on a background with the CIELCh color 28, 46.604, 31.597.

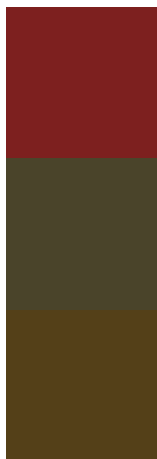


This preview shows how white text looks on a background with the CIELCh color 28, 46.604, 31.597.

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

28, 46.604, 31.597

Protanopia

29, 16.786, 96.625

Deuteranopia

28, 27.351, 82.235



Tritanopia
28, 46.312, 29.799

Trichromacy



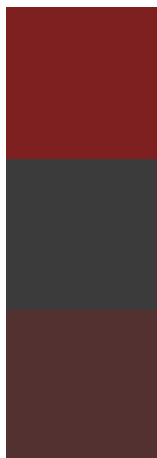
Original Color
28, 46.604, 31.597

Protanomaly
27, 22.752, 50.365

Deuteranomaly
27, 31.411, 53.526

Tritanomaly
28, 46.580, 30.493

Monochromacy



Original Color
28, 46.604, 31.597

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 16.790, 22.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 46.604, 31.597 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(125, 32, 31)` looks like.

```
.text, #text, p{  
    color:rgb(125, 32, 31)  
}
```

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(125, 32, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 32, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 46.604, 31.597 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(125, 32, 31) }
```

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

```
.border{ border-color:rgb(125, 32, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 32, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 32, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 32, 31);  
box-shadow:4px 4px 4px 4px rgb(125, 32,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 46.604, 31.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 32, 31) }
```

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

```
.background{ background-color: rgb(125, 32,  
31) }
```

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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