

Converting Colors

CIELCh(28, 12.364, 318.960)

Have a look what the booklet for
CIELCh(28, 12.364, 318.960)
contains.

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Color

CIELCh(28, 12.356, 318.584)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------|
| Hex | 4B3E4F |
| RGB | 75, 62, 79 |
| RGB Percent | 29%, 24%, 31% |
| CMY | 0.7071, 0.7580, 0.6914 |
| CMYK | 0.05, 0.22, 0.00, 0.69 |
| HSL | 286°, 12%, 28% |
| HSV | 286°, 22%, 31% |
| XYZ | 5.9851, 5.4574, 8.0772 |
| YIQ | 67.8250, 2.2910, 8.0430 |

Conversions

Conversions Part 2

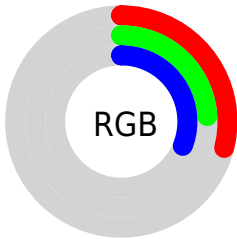
| Format | Color |
|-------------------------------------|-----------------------------|
| R_YB | 75, 62, 79 |
| Decimal | 4931151 |
| CIE Lab | 28.00, 9.27, -8.17 |
| CIE LCh | 28, 12.356, 318.584 |
| Yxy | 5.4574, 0.3066, 0.2796 |
| Android (android.graphics.Color) | 4283121231 (0xFF4B3E4F) |
| YUV | 67.8250, 5.5093, 6.2925 |
| Hunter-Lab | 23.3610, 4.8500, -4.1472 |

Details

The CIELCh color **28, 12.356, 318.584** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **32, 12.218, 136.817**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 12.006, 318.719**, and **8, 12.386, 318.180** is the 20% darker color. If you saturate the color by 10%, you get **26, 18.168, 318.983**, and if you desaturate by 10%, it is **31, 6.582, 318.178**.

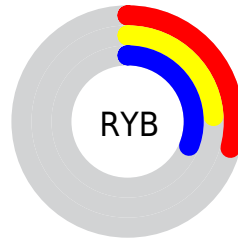
Distribution



Red (29%)

Green (24%)

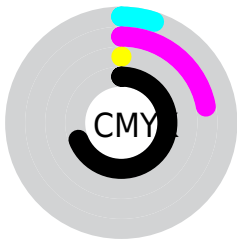
Blue (31%)



Red (29%)

Yellow (24%)

Blue (31%)

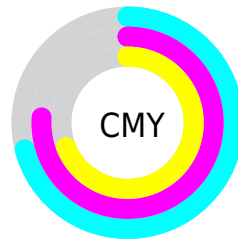


Cyan (5%)

Magenta (22%)

Yellow (0%)

Black (69%)



Cyan (71%)


Magenta (76%)

Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 12.356, 318.584 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, 12.356, 318.584 by changing the saturation by 10% instead.

 28, 12.356,
318.584

 28, 12.356,
318.584

 100, 12.356,
318.584


 18, 12.356,
318.584


 48, 12.356,
318.584

 8, 12.356, 318.584

 58, 12.356,
318.584

 0, 12.356, 318.584

 68, 12.356,
318.584

 78, 12.356,
318.584

 88, 12.356,
318.584

 98, 12.356,

318.584

■ 28, 12.356,
318.584

■ 28, 12.356,
318.584

■ 26, 18.168,
318.983

■ 31, 6.582, 318.178

■ 23, 23.949,
319.366

■ 33, 0.896, 317.691

■ 36, 4.673, 137.453

■ 21, 29.590,
319.713

■ 38, 10.110,
137.087

■ 19, 34.942,
319.999

■ 41, 15.406,
136.753

■ 17, 39.814,
320.192

■ 43, 20.561,
136.443

■ 15, 43.982,
320.254

■ 46, 25.574,
136.159

■ 14, 47.357,
320.178

■ 49, 30.451,
135.898

■ 13, 50.340,
320.184

■ 51, 35.197,
135.660

Harmonies

Complementary

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



28, 12.356, 318.584



32, 12.218, 136.817

Rectangle

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



28, 12.356, 318.584



28, 12.356, 8.584



28, 12.356, 138.584



28, 12.356, 188.584

Sweetspot

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



28, 12.355, 318.584



41, 4.206, 317.954



28, 8.385, 279.866



20, 2.755, 317.965



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



28, 12.355, 318.584



35, 18.499, 318.798



28, 11.089, 333.624



14, 3.089, 318.056



18, 60.301, 319.918



45, 109.402, 319.372

Inverse Universe

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



28, 8.165, 2.569



35, 12.315, 3.178



32, 11.026, 150.935



14, 2.006, 1.245



20, 45.275, 23.177



48, 84.465, 27.539

Previews

White Background



This preview shows how the CIELCh color 28, 12.356, 318.584 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 28, 12.356, 318.584 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 28, 12.356, 318.584

Background



This preview shows how black text looks on a background with the CIELCh color 28, 12.356, 318.584.



This preview shows how white text looks on a background with the CIELCh color 28, 12.356, 318.584.

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, 12.356, 318.584

Protanopia

28, 9.751, 284.906

Deuteranopia

28, 8.481, 297.430



Tritanopia
28, 5.164, 341.617

Trichromacy



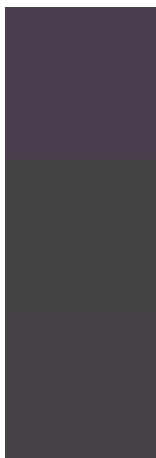
Original Color
28, 12.356, 318.584

Protanomaly
28, 10.482, 298.925

Deuteranomaly
28, 9.458, 307.348

Tritanomaly
28, 8.090, 327.747

Monochromacy



Original Color
28, 12.356, 318.584

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 4.272, 314.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 12.356, 318.584 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(75, 62, 79)` looks like.

```
.text, #text, p{  
    color:rgb(75, 62, 79)  
}
```

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(75, 62, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 62, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 12.356, 318.584 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(75, 62, 79) }
```

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

```
.border{ border-color:rgb(75, 62, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 62, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 62, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 62, 79);  
box-shadow:4px 4px 4px 4px rgb(75, 62, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 12.356, 318.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 62, 79) }
```

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

```
.background{ background-color: rgb(75, 62,  
79) }
```

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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