

Converting Colors

CIELCh(12, 10.626, 334.459)

Have a look what the booklet for
CIELCh(12, 10.626, 334.459)
contains.

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Color

CIELCh(12, 10.716, 334.944)

Conversions

Conversions Part 1

Format	Color
Hex	2A1B26
RGB	42, 27, 38
RGB Percent	16%, 11%, 15%
CMY	0.8358, 0.8946, 0.8515
CMYK	0.00, 0.36, 0.10, 0.84
HSL	316°, 22%, 13%
HSV	316°, 36%, 16%
XYZ	1.6859, 1.4064, 2.0050
YIQ	32.7390, 5.4090, 6.6010

Conversions

Conversions Part 2

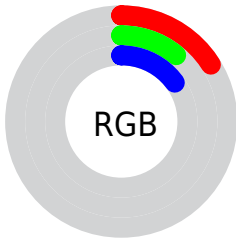
Format	Color
RYB	42, 27, 38
Decimal	2759462
CIELab	12.00, 9.71, -4.54
CIELCh	12, 10.716, 334.944
Yxy	1.4064, 0.3307, 0.2759
Android (android.graphics.Color)	4280949542 (0xFF2A1B26)
YUV	32.7390, 2.5937, 8.1219
Hunter-Lab	11.8591, 4.6226, -1.7229

Details

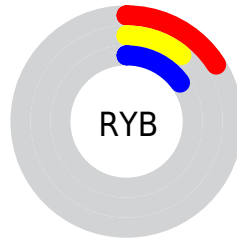
The CIELCh color **12, 10.716, 334.944** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 10.630, 150.731**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 11.302, 334.674**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 13.658, 335.560**, and if you desaturate by 10%, it is **13, 7.718, 334.355**.

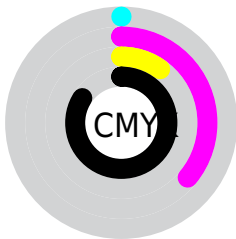
Distribution



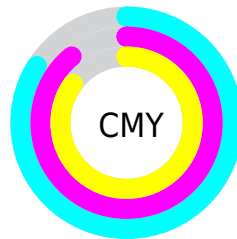
- Red (16%)
- Green (11%)
- Blue (15%)



- Red (16%)
- Yellow (11%)
- Blue (15%)



- Cyan (0%)
- Magenta (36%)
- Yellow (10%)
- Black (84%)



- Cyan (84%)
- Magenta (89%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 10.716, 334.944 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 12, 10.716, 334.944 by changing the saturation by 10% instead.

■ 12, 10.716,
334.944

■ 12, 10.716,
334.944

■ 100, 10.716,
334.944

■ 2, 10.716, 334.944

■ 32, 10.716,
334.944

■ 0, 10.716, 334.944

■ 42, 10.716,
334.944


■ 52, 10.716,
334.944


■ 62, 10.716,
334.944


■ 72, 10.716,
334.944


■ 82, 10.716,

334.944


 92, 10.716,
334.944

 12, 10.716,
334.944

 12, 10.716,
334.944

 11, 13.658,
335.560

 13, 7.718, 334.355

 10, 16.489,
336.207


 15, 4.709, 333.786

 16, 1.721, 333.208

 8, 19.135, 336.891

 18, 1.226, 152.851

 7, 21.442, 337.624

 19, 4.117, 152.295

 7, 23.401, 338.323

 21, 6.944, 151.813

 6, 25.308, 338.912

 22, 9.703, 151.359

■ 5, 26.090, 339.133

■ 24, 12.394,
150.928

■ 25, 15.015,
150.518

Harmonies

Complementary

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



12, 10.716, 334.944



15, 10.630, 150.731

Rectangle

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



12, 10.716, 334.944



12, 10.716, 24.944



12, 10.716, 154.944



12, 10.716, 204.944

Sweetspot

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



12, 10.715, 334.945



20, 4.026, 333.550



11, 11.171, 302.036



9, 2.740, 333.547



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



12, 10.715, 334.945



15, 15.791, 335.540



12, 8.158, 2.678



6, 1.313, 333.247



17, 42.738, 341.081



47, 81.857, 342.660

Inverse Universe

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



12, 10.715, 334.945



15, 15.791, 335.540



16, 7.376, 176.766



6, 1.313, 333.247



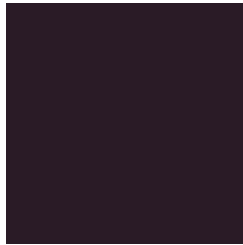
17, 42.738, 341.081



47, 81.857, 342.660

Previews

White Background



This preview shows how the CIELCh color 12, 10.716, 334.944 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 12, 10.716, 334.944

Background



This preview shows how black text looks on a background with the CIELCh color 12, 10.716, 334.944.



This preview shows how white text looks on a background with the CIELCh color 12, 10.716, 334.944.

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

12, 10.716, 334.944

Protanopia

12, 7.287, 285.369

Deuteranopia

12, 4.387, 297.679



Tritanopia
12, 6.887, 9.434

Trichromacy



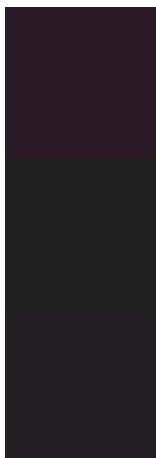
Original Color
12, 10.716, 334.944

Protanomaly
12, 8.370, 308.547

Deuteranomaly
12, 6.741, 321.786

Tritanomaly
12, 7.471, 352.911

Monochromacy



Original Color
12, 10.716, 334.944

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 3.809, 331.166

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 10.716, 334.944 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(42, 27, 38)` looks like.

```
.text, #text, p{  
    color:rgb(42, 27, 38)  
}
```

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(42, 27, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 27, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 10.716, 334.944 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(42, 27, 38) }
```

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

```
.border{ border-color:rgb(42, 27, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 27, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 27, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 27, 38);  
box-shadow:4px 4px 4px 4px rgb(42, 27, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 10.716, 334.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 27, 38) }
```

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

```
.background{ background-color: rgb(42, 27,  
38) }
```

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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