

Converting Colors

CIELCh(12, 11.240, 21.943)

Have a look what the booklet for
CIELCh(12, 11.240, 21.943) contains.

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Color

CIELCh(12, 11.351, 22.804)

Conversions

Conversions Part 1

Format	Color
Hex	2F1A1A
RGB	47, 26, 26
RGB Percent	18%, 10%, 10%
CMY	0.8163, 0.8986, 0.8986
CMYK	0.00, 0.45, 0.45, 0.82
HSL	360°, 29%, 14%
HSV	360°, 45%, 18%
XYZ	1.7154, 1.4064, 1.1496
YIQ	32.2790, 12.5160, 4.4520

Conversions

Conversions Part 2

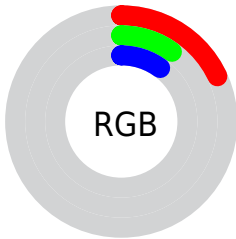
Format	Color
R_{YB}	47, 26, 26
Decimal	3086874
CIE _{Lab}	12.00, 10.46, 4.40
CIE _{LCh}	12, 11.351, 22.804
Yxy	1.4064, 0.4016, 0.3293
Android (android.graphics.Color)	4281276954 (0xFF2F1A1A)
YUV	32.2790, -3.0955, 12.9103
Hunter-Lab	11.8591, 5.0666, 2.5536

Details

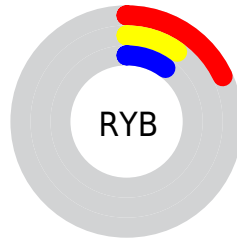
The CIELCh color **12, 11.351, 22.804** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 8.773, 197.635**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 11.534, 21.301**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 14.244, 23.965**, and if you desaturate by 10%, it is **14, 8.559, 21.730**.

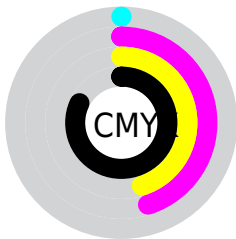
Distribution



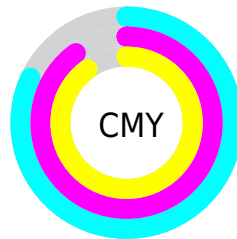
- Red (18%)
- Green (10%)
- Blue (10%)



- Red (18%)
- Yellow (10%)
- Blue (10%)



- Cyan (0%)
- Magenta (45%)
- Yellow (45%)
- Black (82%)



- Cyan (82%)
- Magenta (90%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 11.351, 22.804 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, 11.351, 22.804 by changing the saturation by 10% instead.

 12, 11.351, 22.804

 12, 11.351, 22.804

 100, 11.351,
22.804

 2, 11.351, 22.804

 32, 11.351, 22.804

 0, 11.351, 22.804

 42, 11.351, 22.804

 52, 11.351, 22.804

 62, 11.351, 22.804

 72, 11.351, 22.804

 82, 11.351, 22.804

 92, 11.351, 22.804

■ 12, 11.351, 22.804

■ 12, 11.351, 22.804

■ 11, 14.244, 23.965

■ 14, 8.559, 21.730

■ 9, 16.976, 23.723

■ 15, 5.911, 20.859

■ 8, 19.439, 22.609

■ 17, 3.416, 20.140

■ 7, 21.527, 21.567

■ 19, 1.073, 19.449

■ 6, 23.493, 20.806

■ 20, 1.124, 199.357

■ 5, 24.478, 20.492

■ 22, 3.184, 198.863

■ 24, 5.119, 198.527

■ 25, 6.939, 198.255

■ 27, 8.658, 198.030

Harmonies

Complementary

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



12, 11.351, 22.804



18, 8.773, 197.635

Rectangle

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



12, 11.351, 22.804



12, 11.351, 72.804



12, 11.351, 202.804



12, 11.351, 252.804

Sweetspot

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



12, 11.350, 22.808



23, 3.745, 20.070



13, 17.528, 325.928



10, 2.562, 20.104



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



12, 11.350, 22.808



15, 17.706, 24.501



15, 9.342, 69.117



7, 1.112, 19.297



16, 43.795, 33.534



45, 91.679, 39.997

Inverse Universe

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



12, 11.350, 22.808



15, 17.706, 24.501



14, 8.326, 259.678



7, 1.112, 19.297



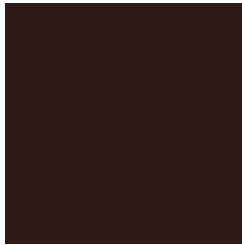
16, 43.795, 33.534



45, 91.679, 39.997

Previews

White Background



This preview shows how the CIELCh color 12, 11.351, 22.804 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, 11.351, 22.804

Background



This preview shows how black text looks on a background with the CIELCh color 12, 11.351, 22.804.

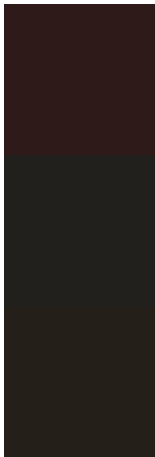


This preview shows how white text looks on a background with the CIELCh color 12, 11.351, 22.804.

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, 11.351, 22.804

Protanopia

12, 2.217, 96.141

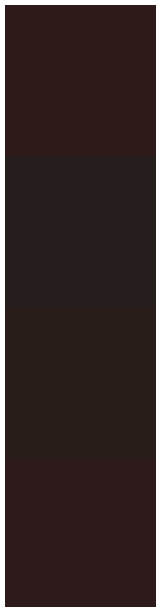
Deuteranopia

12, 5.418, 72.307



Tritanopia
12, 11.251, 19.234

Trichromacy



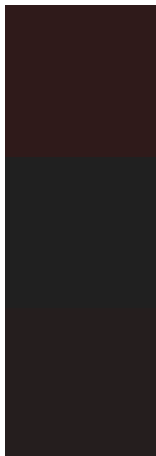
Original Color
12, 11.351, 22.804

Protanomaly
12, 4.463, 39.164

Deuteranomaly
12, 7.189, 44.364

Tritanomaly
12, 11.251, 19.234

Monochromacy



Original Color
12, 11.351, 22.804

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 3.608, 20.351

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 11.351, 22.804 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(47, 26, 26)` looks like.

```
.text, #text, p{  
    color:rgb(47, 26, 26)  
}
```

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(47, 26, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 26, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 11.351, 22.804 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(47, 26, 26) }
```

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

```
.border{ border-color:rgb(47, 26, 26) }
```

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

Here you see how a box with a 4 pixel rgb(47, 26, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 26, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 26, 26);  
box-shadow:4px 4px 4px 4px rgb(47, 26, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 11.351, 22.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 26, 26) }
```

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

```
.background{ background-color: rgb(47, 26,  
26) }
```

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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