

Converting Colors

CIELCh(12, 16.242, 343.605)

Have a look what the booklet for
CIELCh(12, 16.242, 343.605)
contains.

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Color

CIELCh(12, 16.217, 343.764)

Conversions

Conversions Part 1

Format	Color
Hex	311726
RGB	49, 23, 38
RGB Percent	19%, 9%, 15%
CMY	0.8078, 0.9098, 0.8509
CMYK	0.00, 0.53, 0.22, 0.81
HSL	325°, 36%, 14%
HSV	325°, 53%, 19%
XYZ	1.9237, 1.4064, 2.0046
YIQ	32.4840, 10.6810, 10.1770

Conversions

Conversions Part 2

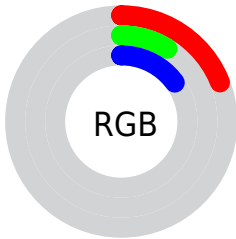
Format	Color
R_{YB}	49, 23, 38
Decimal	3217190
CIE _{Lab}	12.00, 15.57, -4.53
CIE _{LCh}	12, 16.217, 343.764
Yxy	1.4064, 0.3606, 0.2636
Android (android.graphics.Color)	4281407270 (0xFF311726)
YUV	32.4840, 2.7194, 14.4845
Hunter-Lab	11.8591, 8.2015, -1.7206

Details

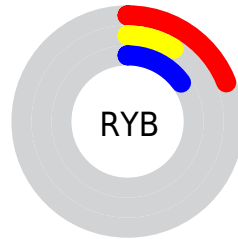
The CIELCh color **12, 16.217, 343.764** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **18, 15.722, 155.455**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 16.026, 343.394**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 19.016, 344.794**, and if you desaturate by 10%, it is **13, 13.239, 342.847**.

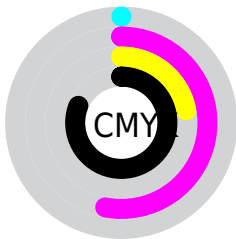
Distribution



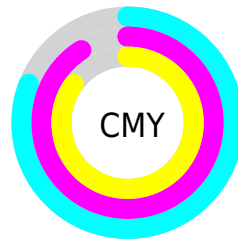
- Red (19%)
- Green (9%)
- Blue (15%)



- Red (19%)
- Yellow (9%)
- Blue (15%)



- Cyan (0%)
- Magenta (53%)
- Yellow (22%)
- Black (81%)





- Cyan (81%)
- Magenta (91%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 12, 16.217, 343.764 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, 16.217, 343.764 by changing the saturation by 10% instead.


 12, 16.217,
343.764


 12, 16.217,
343.764


 100, 16.217,
343.764


 2, 16.217, 343.764


 32, 16.217,
343.764

 0, 16.217, 343.764

 42, 16.217,
343.764


 52, 16.217,
343.764


 62, 16.217,
343.764


 72, 16.217,
343.764


 82, 16.217,


343.764

 92, 16.217,
343.764


 12, 16.217,
343.764

 12, 16.217,
343.764

 11, 19.016,
344.794

 13, 13.239,
342.847

 9, 21.541, 345.969

 15, 10.168,
342.015

 8, 23.727, 347.303

 17, 7.064, 341.251

 7, 26.033, 348.467

 18, 3.972, 340.536

 7, 27.632, 349.200

 20, 0.921, 339.766

 22, 2.068, 159.382

■ 23, 4.985, 158.772

■ 25, 7.824, 158.226

■ 27, 10.583,
157.717

Harmonies

Complementary

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



12, 16.217, 343.764



18, 15.722, 155.455

Rectangle

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



12, 16.217, 343.764



12, 16.217, 33.764



12, 16.217, 163.764



12, 16.217, 213.764

Sweetspot

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



12, 16.216, 343.765



24, 6.091, 340.805



10, 19.629, 308.667



11, 4.158, 340.826



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



12, 16.216, 343.765



15, 23.866, 345.293



12, 14.047, 17.806



8, 1.732, 340.200



17, 40.749, 352.331



47, 76.437, 355.313

Inverse Universe

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



12, 16.216, 343.765



15, 23.866, 345.293



18, 10.790, 189.247



8, 1.732, 340.200



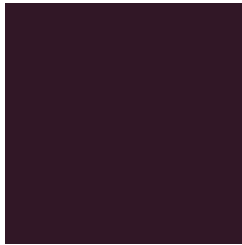
17, 40.749, 352.331



47, 76.437, 355.313

Previews

White Background



This preview shows how the CIELCh color 12, 16.217, 343.764 looks on a white background.

Color Contrast Check

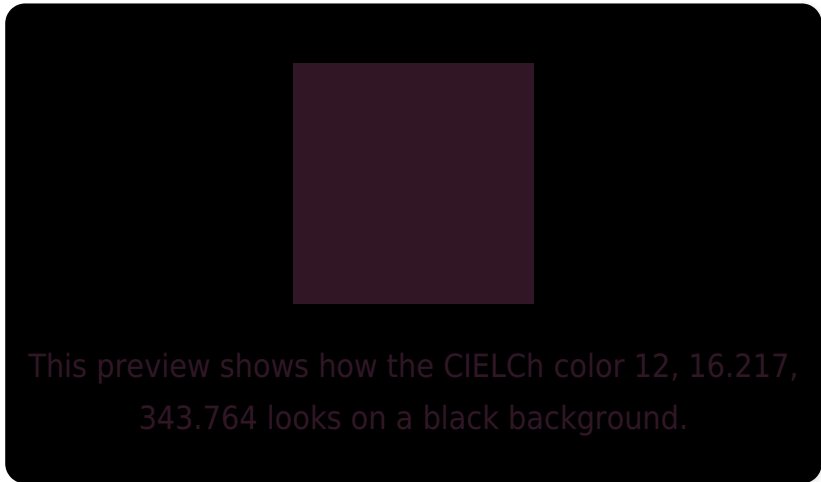
Large Text (above 18pt) WCAG AA ✓ Pass

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

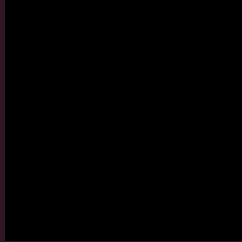
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 16.217, 343.764

Background



This preview shows how black text looks on a background with the CIELCh color 12, 16.217, 343.764.



This preview shows how white text looks on a background with the CIELCh color 12, 16.217, 343.764.

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, 16.217, 343.764

Protanopia

12, 8.725, 284.223

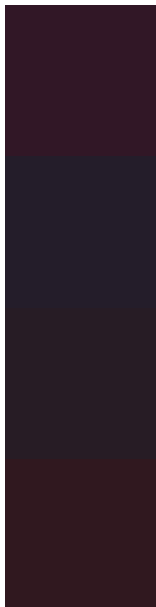
Deuteranopia

12, 4.468, 303.762



Tritanopia
12, 12.324, 16.722

Trichromacy



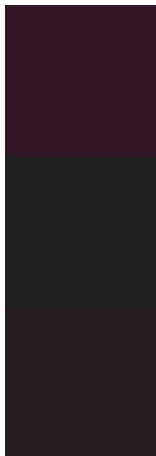
Original Color
12, 16.217, 343.764

Protanomaly
12, 10.002, 311.532

Deuteranomaly
12, 8.428, 331.271

Tritanomaly
12, 13.157, 1.630

Monochromacy



Original Color
12, 16.217, 343.764

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 5.762, 342.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 16.217, 343.764 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(49, 23, 38)` looks like.

```
.text, #text, p{  
    color:rgb(49, 23, 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(49, 23, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 23, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 16.217, 343.764 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(49, 23, 38) }
```

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

```
.border{ border-color:rgb(49, 23, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 23, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 23, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 23, 38);  
box-shadow:4px 4px 4px 4px rgb(49, 23, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 16.217, 343.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 23, 38) }
```

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

```
.background{ background-color: rgb(49, 23,  
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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