

Converting Colors

CIELCh(12, 20.363, 24.273)

Have a look what the booklet for
CIELCh(12, 20.363, 24.273) contains.

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Color

CIELCh(12, 20.303, 24.367)

Conversions

Conversions Part 1

Format	Color
Hex	391415
RGB	57, 20, 21
RGB Percent	22%, 8%, 8%
CMY	0.7776, 0.9225, 0.9186
CMYK	0.00, 0.65, 0.63, 0.78
HSL	358°, 48%, 15%
HSV	358°, 65%, 22%
XYZ	2.0502, 1.4064, 0.8608
YIQ	31.1770, 21.7310, 8.1550

Conversions

Conversions Part 2

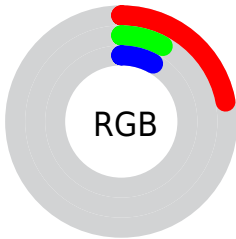
Format	Color
R_{YB}	57, 20, 21
Decimal	3740693
CIE Lab	12.00, 18.49, 8.38
CIE LCh	12, 20.303, 24.367
Yxy	1.4064, 0.4749, 0.3257
Android (android.graphics.Color)	4281930773 (0xFF391415)
YUV	31.1770, -5.0173, 22.6468
Hunter-Lab	11.8591, 10.1059, 3.9975

Details

The CIELCh color **12, 20.303, 24.367** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **21, 13.743, 194.110**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 20.476, 24.689**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 23.412, 24.946**, and if you desaturate by 10%, it is **14, 16.854, 22.612**.

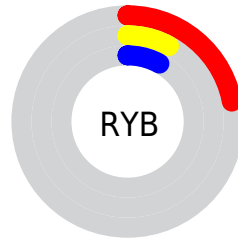
Distribution



Red (22%)

Green (8%)

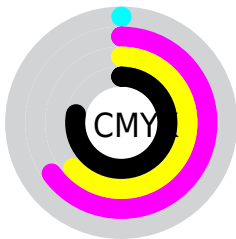
Blue (8%)



Red (22%)

Yellow (8%)

Blue (8%)

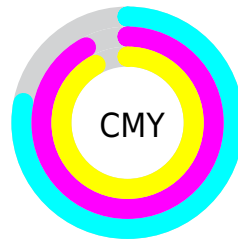


Cyan (0%)

Magenta (65%)

Yellow (63%)

Black (78%)



Cyan (78%)

Magenta (92%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 20.303, 24.367 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, 20.303, 24.367 by changing the saturation by 10% instead.

 12, 20.303, 24.367

 12, 20.303, 24.367

 100, 20.303,
24.367

 2, 20.303, 24.367

 32, 20.303, 24.367

 0, 20.303, 24.367

 42, 20.303, 24.367

 52, 20.303, 24.367

 62, 20.303, 24.367

 72, 20.303, 24.367

 82, 20.303, 24.367

 92, 20.303, 24.367

■ 12, 20.303, 24.367

■ 12, 20.303, 24.367

■ 11, 23.412, 24.946

■ 14, 16.854, 22.612

■ 10, 26.018, 24.670

■ 15, 13.455, 21.084

■ 8, 28.623, 23.654

■ 17, 10.182, 19.858

■ 8, 29.981, 23.010

■ 19, 7.067, 18.865

■ 21, 4.126, 18.046

■ 23, 1.363, 17.284

■ 25, 1.228, 197.097

■ 27, 3.658, 196.527

■ 29, 5.939, 196.126

Harmonies

Complementary

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



12, 20.303, 24.367



21, 13.743, 194.110

Rectangle

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



12, 20.303, 24.367



12, 20.303, 74.367



12, 20.303, 204.367



12, 20.303, 254.367

Sweetspot

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



12, 20.302, 24.370



27, 6.914, 18.503



13, 28.862, 326.257



12, 4.777, 18.581



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



12, 20.302, 24.370



15, 30.892, 28.294



17, 16.674, 65.139



9, 1.459, 17.539



17, 45.571, 33.392



46, 92.190, 39.110

Inverse Universe

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



12, 20.302, 24.370



15, 30.892, 28.294



15, 13.651, 262.747



9, 1.459, 17.539



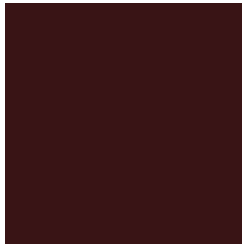
17, 45.571, 33.392



46, 92.190, 39.110

Previews

White Background



This preview shows how the CIELCh color 12, 20.303, 24.367 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, 20.303, 24.367

Background



This preview shows how black text looks on a background with the CIELCh color 12, 20.303, 24.367.



This preview shows how white text looks on a background with the CIELCh color 12, 20.303, 24.367.

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, 20.303, 24.367

Protanopia

13, 5.121, 96.734

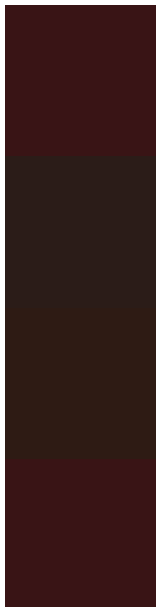
Deuteranopia

12, 9.972, 77.126



Tritanopia
12, 20.303, 24.367

Trichromacy



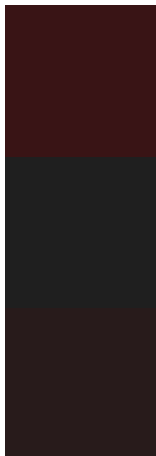
Original Color
12, 20.303, 24.367

Protanomaly
12, 8.811, 40.344

Deuteranomaly
12, 12.055, 45.899

Tritanomaly
12, 20.303, 24.367

Monochromacy



Original Color
12, 20.303, 24.367

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 6.915, 21.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 20.303, 24.367 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(57, 20, 21)` looks like.

```
.text, #text, p{  
    color:rgb(57, 20, 21)  
}
```

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(57, 20, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 20, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 20.303, 24.367 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(57, 20, 21) }
```

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

```
.border{ border-color:rgb(57, 20, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 20, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 20, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 20, 21);  
box-shadow:4px 4px 4px 4px rgb(57, 20, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 20.303, 24.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 20, 21) }
```

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

```
.background{ background-color: rgb(57, 20,  
21) }
```

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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