

Converting Colors

CIELCh(12, 25.011, 25.065)

Have a look what the booklet for
CIELCh(12, 25.011, 25.065) contains.

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Color

CIELCh(12, 25.353, 24.112)

Conversions

Conversions Part 1

Format	Color
Hex	3E0F12
RGB	62, 15, 18
RGB Percent	24%, 6%, 7%
CMY	0.7571, 0.9414, 0.9296
CMYK	0.00, 0.76, 0.71, 0.76
HSL	356°, 61%, 15%
HSV	356°, 76%, 24%
XYZ	2.2625, 1.4064, 0.7224
YIQ	29.3950, 27.0490, 10.8970

Conversions

Conversions Part 2

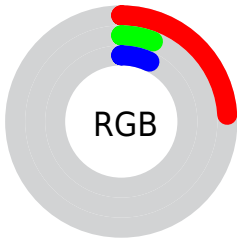
Format	Color
RYB	62, 15, 18
Decimal	4067090
CIELab	12.00, 23.14, 10.36
CIELCh	12, 25.353, 24.112
Yxy	1.4064, 0.5152, 0.3203
Android (android.graphics.Color)	4282257170 (0xFF3E0F12)
YUV	29.3950, -5.6177, 28.5946
Hunter-Lab	11.8591, 13.3008, 4.6898

Details

The CIELCh color **12, 25.353, 24.112** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **23, 16.511, 189.599**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 25.389, 24.070**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 28.209, 24.843**, and if you desaturate by 10%, it is **13, 21.904, 22.264**.

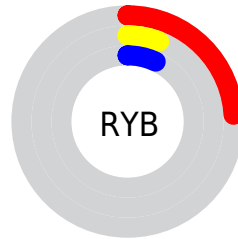
Distribution



Red (24%)

Green (6%)

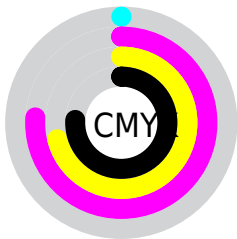
Blue (7%)



Red (24%)

Yellow (6%)

Blue (7%)

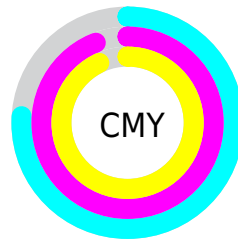


Cyan (0%)

Magenta (76%)

Yellow (71%)

Black (76%)



Cyan (76%)

Magenta (94%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 25.353, 24.112 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, 25.353, 24.112 by changing the saturation by 10% instead.

 12, 25.353, 24.112

 12, 25.353, 24.112

 100, 25.353,
24.112

 2, 25.353, 24.112

 32, 25.353, 24.112

 0, 25.353, 24.112

 42, 25.353, 24.112

 52, 25.353, 24.112

 62, 25.353, 24.112

 72, 25.353, 24.112

 82, 25.353, 24.112

 92, 25.353, 24.112

■ 12, 25.353, 24.112

■ 12, 25.353, 24.112

■ 11, 28.209, 24.843

■ 13, 21.904, 22.264

■ 10, 30.893, 24.287

■ 15, 18.268, 20.200

■ 9, 32.074, 23.889

■ 17, 14.671, 18.537

■ 19, 11.178, 17.193

■ 21, 7.834, 16.097

■ 23, 4.662, 15.186

■ 25, 1.670, 14.356

■ 27, 1.143, 194.085

■ 29, 3.787, 193.414

Harmonies

Complementary

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



12, 25.353, 24.112



23, 16.511, 189.599

Rectangle

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



12, 25.353, 24.112



12, 25.353, 74.112



12, 25.353, 204.112



12, 25.353, 254.112

Sweetspot

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



12, 25.352, 24.115



29, 8.719, 15.923



13, 34.801, 325.528



12, 5.958, 16.067



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



12, 25.352, 24.115



15, 37.834, 29.512



17, 21.158, 60.414



10, 1.579, 14.576



18, 46.004, 32.325



46, 91.572, 37.931

Inverse Universe

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



12, 25.352, 24.115



15, 37.834, 29.512



16, 16.101, 262.029



10, 1.579, 14.576



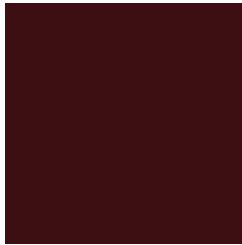
18, 46.004, 32.325



46, 91.572, 37.931

Previews

White Background



This preview shows how the CIELCh color 12, 25.353, 24.112 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

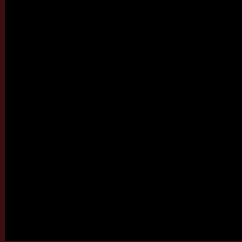
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 25.353, 24.112

Background



This preview shows how black text looks on a background with the CIELCh color 12, 25.353, 24.112.



This preview shows how white text looks on a background with the CIELCh color 12, 25.353, 24.112.

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, 25.353, 24.112

Protanopia

13, 6.636, 94.132

Deuteranopia

13, 12.684, 83.093



Tritanopia
12, 25.688, 26.507

Trichromacy



Original Color

12, 25.353, 24.112

Protanomaly

12, 11.104, 37.091

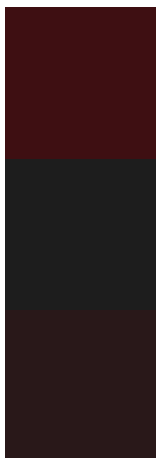
Deuteranomaly

12, 15.202, 47.989

Tritanomaly

12, 25.519, 25.344

Monochromacy



Original Color

12, 25.353, 24.112

Achromatopsia

11, 0.003, 296.813

Achromatomaly

11, 9.178, 17.820

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 12, 25.353, 24.112 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(62, 15, 18)` looks like.

```
.text, #text, p{  
    color:rgb(62, 15, 18)  
}
```

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(62, 15, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 15, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 25.353, 24.112 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(62, 15, 18) }
```

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

```
.border{ border-color:rgb(62, 15, 18) }
```

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

Here you see how a box with a 4 pixel rgb(62, 15, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 15, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 15, 18);  
box-shadow:4px 4px 4px 4px rgb(62, 15, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 25.353, 24.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 15, 18) }
```

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

```
.background{ background-color: rgb(62, 15,  
18) }
```

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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