

Converting Colors

CIELCh(12, 6.230, 81.369)

Have a look what the booklet for
CIELCh(12, 6.230, 81.369) contains.

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Color

CIELCh(12, 6.394, 83.191)

Conversions

Conversions Part 1

Format	Color
Hex	241F17
RGB	36, 31, 23
RGB Percent	14%, 12%, 9%
CMY	0.8594, 0.8790, 0.9103
CMYK	0.00, 0.14, 0.36, 0.86
HSL	37°, 22%, 12%
HSV	37°, 36%, 14%
XYZ	1.3621, 1.4064, 1.0031
YIQ	31.5830, 5.5480, -1.4280

Conversions

Conversions Part 2

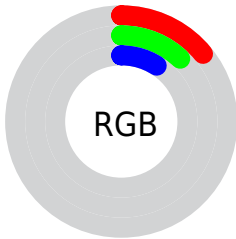
Format	Color
RYB	31, 36, 23
Decimal	2367255
CIELab	12.00, 0.76, 6.35
CIELCh	12, 6.394, 83.191
Yxy	1.4064, 0.3611, 0.3729
Android (android.graphics.Color)	4280557335 (0xFF241F17)
YUV	31.5830, -4.2314, 3.8737
Hunter-Lab	11.8591, -0.2519, 3.2862

Details

The CIELCh color **12, 6.394, 83.191** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **10, 6.236, 271.128**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 6.306, 83.243**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 8.125, 82.037**, and if you desaturate by 10%, it is **13, 4.580, 84.220**.

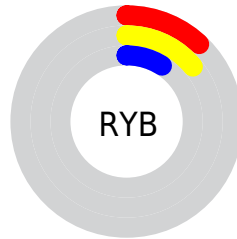
Distribution



Red (14%)

Green (12%)

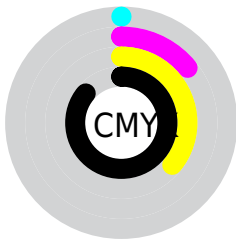
Blue (9%)



Red (12%)

Yellow (14%)

Blue (9%)

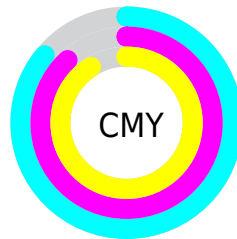


Cyan (0%)

Magenta (14%)

Yellow (36%)

Black (86%)



Cyan (86%)

Magenta (88%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 6.394, 83.191 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, 6.394, 83.191 by changing the saturation by 10% instead.

 12, 6.394, 83.191  12, 6.394, 83.191

 100, 6.394, 83.191  2, 6.394, 83.191

 32, 6.394, 83.191  0, 6.394, 83.191

 42, 6.394, 83.191

 52, 6.394, 83.191

 62, 6.394, 83.191

 72, 6.394, 83.191

 82, 6.394, 83.191

 92, 6.394, 83.191

 12, 6.394, 83.191  12, 6.394, 83.191

■ 11, 8.125, 82.037

■ 13, 4.580, 84.220

■ 11, 9.542, 80.536

■ 13, 2.803, 85.212

■ 10, 10.661, 78.699

■ 14, 1.063, 86.141

■ 10, 11.533, 76.561

■ 14, 0.640, 267.311

■ 9, 12.370, 74.624

■ 15, 2.309, 268.138

■ 9, 13.214, 72.955

■ 16, 3.944, 269.017

■ 9, 13.533, 72.387

■ 16, 5.549, 269.876

■ 17, 7.126, 270.706

■ 17, 8.676, 271.506

Harmonies

Complementary

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



12, 6.394, 83.191



10, 6.236, 271.128

Rectangle

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



12, 6.394, 83.191



12, 6.394, 133.191



12, 6.394, 263.191



12, 6.394, 313.191

Sweetspot

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



12, 6.394, 83.198



18, 2.332, 85.645



10, 7.694, 352.235



7, 1.363, 85.520



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



12, 6.394, 83.198



16, 9.458, 82.195



14, 9.177, 111.843



5, 0.677, 85.898



24, 34.938, 73.255



61, 71.179, 70.541

Inverse Universe

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



10, 6.236, 271.128



13, 9.161, 272.616



8, 9.798, 296.875



5, 0.692, 267.717



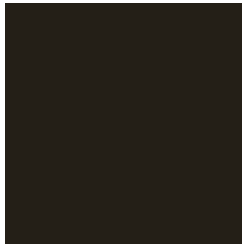
13, 35.837, 289.822



39, 78.027, 293.816

Previews

White Background



This preview shows how the CIELCh color 12, 6.394, 83.191 looks on a white background.

Color Contrast Check

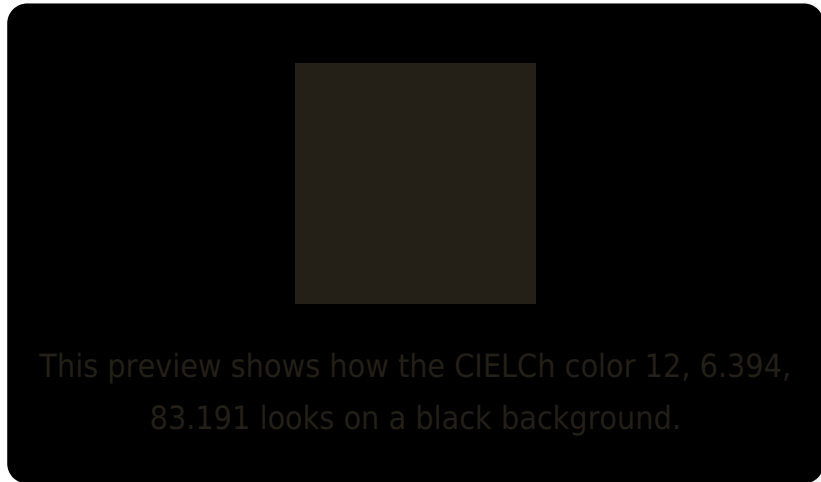
Large Text (above 18pt) WCAG AA ✓ Pass

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

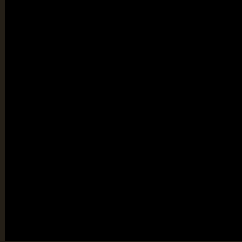
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 6.394, 83.191

Background



This preview shows how black text looks on a background with the CIELCh color 12, 6.394, 83.191.

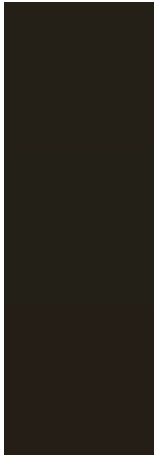


This preview shows how white text looks on a background with the CIELCh color 12, 6.394, 83.191.

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, 6.394, 83.191

Protanopia

12, 6.550, 98.685

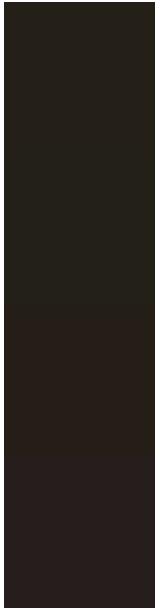
Deuteranopia

12, 6.384, 71.784



Tritanopia
12, 3.828, 358.364

Trichromacy



Original Color

12, 6.394, 83.191

Protanomaly

12, 6.664, 94.066

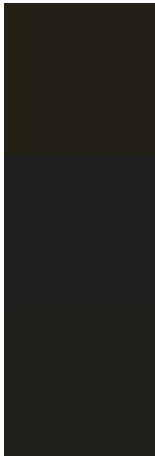
Deuteranomaly

12, 6.384, 71.784

Tritanomaly

12, 3.715, 31.465

Monochromacy



Original Color

12, 6.394, 83.191

Achromatopsia

12, 0.003, 296.813

Achromatomaly

12, 2.399, 83.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 6.394, 83.191 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(36, 31, 23)` looks like.

```
.text, #text, p{  
    color:rgb(36, 31, 23)  
}
```

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(36, 31, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 31, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 6.394, 83.191 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(36, 31, 23) }
```

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

```
.border{ border-color:rgb(36, 31, 23) }
```

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

Here you see how a box with a 4 pixel rgb(36, 31, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 31, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 31, 23);  
box-shadow:4px 4px 4px 4px rgb(36, 31, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 6.394, 83.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 31, 23) }
```

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

```
.background{ background-color: rgb(36, 31,  
23) }
```

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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