

Converting Colors

CIELCh(11, 32.410, 58.078)

Have a look what the booklet for
CIELCh(11, 32.410, 58.078) contains.

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Color

CIELCh(11, 24.517, 43.881)

Conversions

Conversions Part 1

Format	Color
Hex	381200
RGB	56, 18, 0
RGB Percent	22%, 7%, 0%
CMY	0.7812, 0.9301, 1.0000
CMYK	0.00, 0.68, 1.00, 0.78
HSL	19°, 100%, 11%
HSV	19°, 100%, 22%
XYZ	1.8316, 1.2610, 0.1378
YIQ	27.3100, 28.4260, 2.4580

Conversions

Conversions Part 2

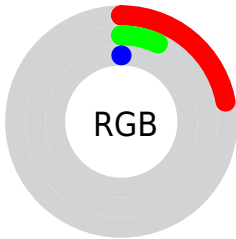
Format	Color
R_{YB}	56, 27, 0
Decimal	3674624
CIE Lab	11.00, 17.67, 16.99
CIE LCh	11, 24.517, 43.881
Yxy	1.2610, 0.5670, 0.3904
Android (android.graphics.Color)	4281864704 (0xFF381200)
YUV	27.3100, -13.4638, 25.1611
Hunter-Lab	11.2295, 9.4633, 7.1330

Details

The CIELCh color **11, 24.517, 43.881** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **14, 16.031, 251.202**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 24.676, 44.749**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 24.447, 43.646**, and if you desaturate by 10%, it is **12, 22.410, 45.455**.

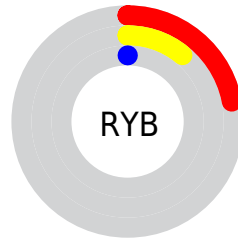
Distribution



Red (22%)

Green (7%)

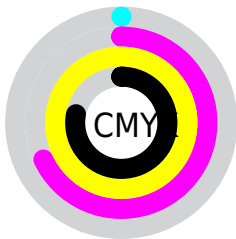
Blue (0%)



Red (22%)

Yellow (11%)

Blue (0%)

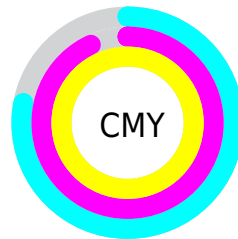


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (78%)



Cyan (78%)

Magenta (93%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 24.517, 43.881 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 11, 24.517, 43.881 by changing the saturation by 10% instead.

 11, 24.517, 43.881

 11, 24.517, 43.881

 100, 24.517,
43.881

 1, 24.517, 43.881

 31, 24.517, 43.881

 0, 24.517, 43.881

 41, 24.517, 43.881

 51, 24.517, 43.881

 61, 24.517, 43.881

 71, 24.517, 43.881

 81, 24.517, 43.881

 91, 24.517, 43.881

■ 11, 24.517, 43.881

■ 11, 24.517, 43.881

■ 11, 24.447, 43.646

■ 12, 22.410, 45.455

■ 13, 20.358, 47.955

■ 14, 17.999, 50.074

■ 15, 15.138, 50.892

■ 17, 12.219, 51.240

■ 18, 9.463, 51.661

■ 19, 6.871, 52.147

■ 21, 4.436, 52.681

■ 22, 2.150, 53.225

Harmonies

Complementary

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



11, 24.517, 43.881



14, 16.031, 251.202

Rectangle

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



11, 24.517, 43.881



11, 24.517, 93.881



11, 24.517, 223.881



11, 24.517, 273.881

Sweetspot

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



11, 24.447, 43.646



25, 8.481, 52.077



9, 31.956, 342.889



11, 5.688, 52.028



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



11, 24.447, 43.646



15, 31.913, 46.453



19, 27.173, 91.591



10, 1.189, 53.308



21, 40.968, 48.249



51, 83.847, 47.994

Inverse Universe

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



14, 16.031, 251.202



18, 19.175, 253.660



5, 32.821, 295.066



10, 1.148, 234.632



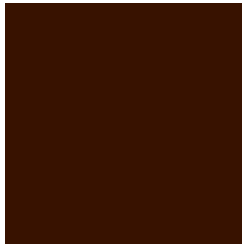
25, 23.138, 255.726



59, 45.382, 260.245

Previews

White Background



This preview shows how the CIELCh color 11, 24.517, 43.881 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

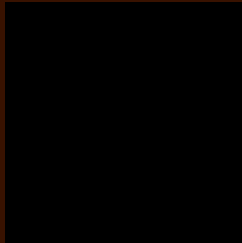
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 24.517, 43.881

Background



This preview shows how black text looks on a background with the CIELCh color 11, 24.517, 43.881.

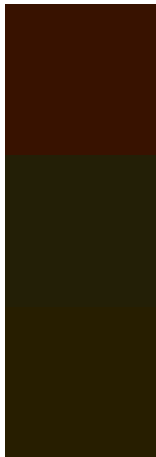


This preview shows how white text looks on a background with the CIELCh color 11, 24.517, 43.881.

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

11, 24.517, 43.881

Protanopia

12, 14.917, 98.197

Deuteranopia

12, 17.380, 89.145



Tritanopia
11, 21.664, 26.173

Trichromacy



Original Color

11, 24.517, 43.881

Protanomaly

11, 15.985, 68.657

Deuteranomaly

11, 18.152, 68.727

Tritanomaly

11, 22.682, 33.223

Monochromacy



Original Color

11, 24.517, 43.881

Achromatopsia

10, 0.003, 296.813

Achromatomaly

10, 8.843, 52.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 24.517, 43.881 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(56, 18, 0)` looks like.

```
.text, #text, p{  
    color:rgb(56, 18, 0)  
}
```

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(56, 18, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 18, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 24.517, 43.881 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(56, 18, 0) }
```

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

```
.border{ border-color:rgb(56, 18, 0) }
```

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

Here you see how a box with a 4 pixel rgb(56, 18, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 18, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(56, 18, 0); box-shadow:4px  
4px 4px 4px rgb(56, 18, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 24.517, 43.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 18, 0) }
```

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

```
.background{ background-color: rgb(56, 18,  
0) }
```

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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