

Converting Colors

CIELCh(11, 20.657, 55.040)

Have a look what the booklet for
CIELCh(11, 20.657, 55.040) contains.

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Color

CIELCh(11, 20.549, 53.907)

Conversions

Conversions Part 1

Format	Color
Hex	321600
RGB	50, 22, 0
RGB Percent	20%, 9%, 0%
CMY	0.8034, 0.9132, 0.9991
CMYK	0.00, 0.56, 1.00, 0.80
HSL	26°, 99%, 10%
HSV	26°, 100%, 20%
XYZ	1.6128, 1.2610, 0.1650
YIQ	27.8640, 23.7500, -0.9060

Conversions

Conversions Part 2

Format	Color
R_{YB}	50, 39, 0
Decimal	3282432
CIE Lab	11.00, 12.11, 16.60
CIE LCh	11, 20.549, 53.907
Yxy	1.2610, 0.5307, 0.4150
Android (android.graphics.Color)	4281472512 (0xFF321600)
YUV	27.8640, -13.7370, 19.4133
Hunter-Lab	11.2295, 5.9851, 6.9892

Details

The CIELCh color **11, 20.549, 53.907** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **10, 17.520, 267.754**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 20.612, 54.375**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 20.622, 53.821**, and if you desaturate by 10%, it is **12, 18.980, 56.108**.

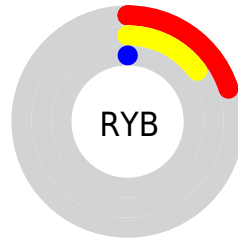
Distribution



Red (20%)

Green (9%)

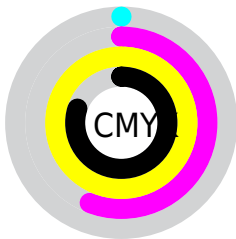
Blue (0%)



Red (20%)

Yellow (15%)

Blue (0%)



Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (80%)



Cyan (80%)

Magenta (91%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 20.549, 53.907 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, 20.549, 53.907 by changing the saturation by 10% instead.

 11, 20.549, 53.907

 11, 20.549, 53.907

 100, 20.549,
53.907

 1, 20.549, 53.907

 31, 20.549, 53.907

 0, 20.549, 53.907

 41, 20.549, 53.907

 51, 20.549, 53.907

 61, 20.549, 53.907

 71, 20.549, 53.907

 81, 20.549, 53.907

 91, 20.549, 53.907

■ 11, 20.549, 53.907

■ 11, 20.549, 53.907

■ 11, 20.622, 53.821

■ 12, 18.980, 56.108

■ 13, 17.440, 58.817

■ 14, 15.691, 61.375

■ 15, 13.469, 63.033

■ 16, 10.948, 63.941

■ 17, 8.527, 64.845

■ 18, 6.217, 65.760

■ 19, 4.015, 66.675

■ 20, 1.914, 67.563

Harmonies

Complementary

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



11, 20.549, 53.907



10, 17.520, 267.754

Rectangle

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



11, 20.549, 53.907



11, 20.549, 103.907



11, 20.549, 233.907



11, 20.549, 283.907

Sweetspot

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



11, 20.549, 53.911



24, 8.025, 65.562



7, 27.901, 349.946



10, 5.331, 65.333



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



11, 20.549, 53.911



16, 28.376, 56.084



19, 27.034, 100.018



8, 1.118, 67.615



22, 38.265, 57.256



55, 77.797, 55.418

Inverse Universe

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



10, 17.520, 267.754



14, 21.948, 270.912



3, 31.362, 295.146



8, 1.097, 249.436



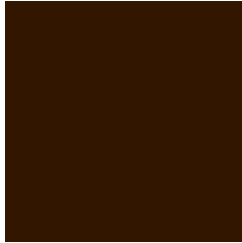
20, 27.846, 273.453



50, 56.957, 277.945

Previews

White Background



This preview shows how the CIELCh color 11, 20.549, 53.907 looks on a white background.

Color Contrast Check

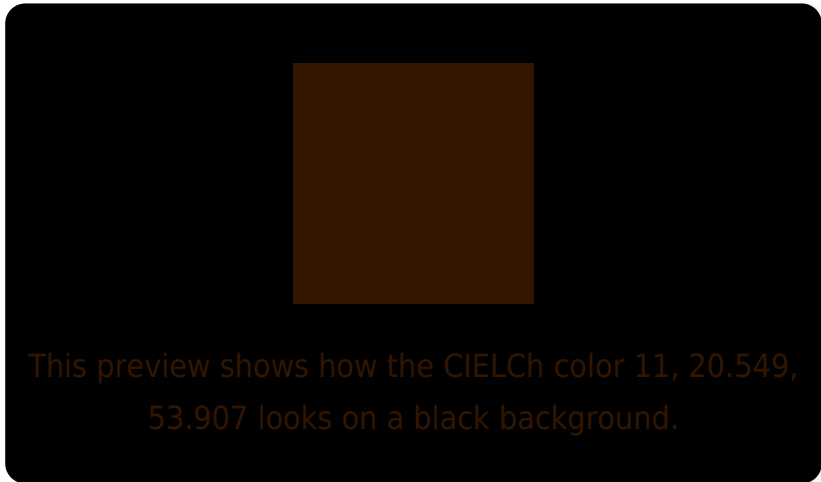
Large Text (above 18pt) WCAG AA ✓ Pass

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

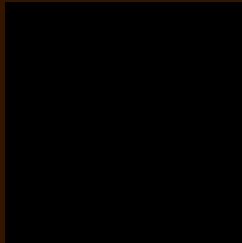
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 20.549, 53.907

Background



This preview shows how black text looks on a background with the CIELCh color 11, 20.549, 53.907.

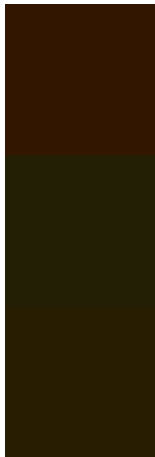


This preview shows how white text looks on a background with the CIELCh color 11, 20.549, 53.907.

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, 20.549, 53.907

Protanopia

12, 15.316, 98.404

Deuteranopia

11, 16.934, 86.728



Tritanopia
11, 16.485, 22.531

Trichromacy



Original Color

11, 20.549, 53.907

Protanomaly

11, 16.025, 78.663

Deuteranomaly

11, 17.525, 74.343

Tritanomaly

11, 18.059, 37.268

Monochromacy



Original Color

11, 20.549, 53.907

Achromatopsia

10, 0.003, 296.813

Achromatomaly

10, 8.000, 63.899

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 20.549, 53.907 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(50, 22, 0)` looks like.

```
.text, #text, p{  
    color:rgb(50, 22, 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(50, 22, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 22, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 20.549, 53.907 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(50, 22, 0) }
```

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

```
.border{ border-color:rgb(50, 22, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 22, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 22, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(50, 22, 0); box-shadow:4px  
4px 4px 4px rgb(50, 22, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 20.549, 53.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 22, 0) }
```

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

```
.background{ background-color: rgb(50, 22,  
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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