

Converting Colors

CIELCh(20, 31.691, 65.684)

Have a look what the booklet for
CIELCh(20, 31.691, 65.684) contains.

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Color

CIELCh(20, 31.555, 66.175)

Conversions

Conversions Part 1

Format	Color
Hex	4A2800
RGB	74, 40, 0
RGB Percent	29%, 16%, 0%
CMY	0.7092, 0.8426, 0.9992
CMYK	0.00, 0.46, 1.00, 0.71
HSL	32°, 99%, 15%
HSV	32°, 100%, 29%
XYZ	3.6002, 2.9891, 0.3927
YIQ	45.6060, 33.1040, -5.2320

Conversions

Conversions Part 2

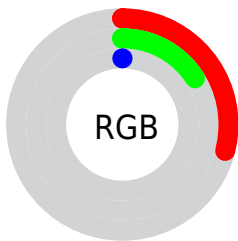
Format	Color
RYB	63, 74, 0
Decimal	4859904
CIELab	20.00, 12.75, 28.87
CIELCh	20, 31.555, 66.175
Yxy	2.9891, 0.5156, 0.4281
Android (android.graphics.Color)	4283049984 (0xFF4A2800)
YUV	45.6060, -22.4838, 24.9015
Hunter-Lab	17.2889, 6.9150, 10.7555

Details

The CIELCh color **20, 31.555, 66.175** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **14, 28.842, 282.862**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 31.437, 65.997**, and **2, 8.895, 16.806** is the 20% darker color. If you saturate the color by 10%, you get **20, 31.619, 66.135**, and if you desaturate by 10%, it is **21, 29.077, 68.018**.

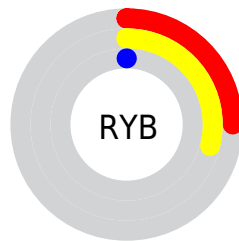
Distribution



Red (29%)

Green (16%)

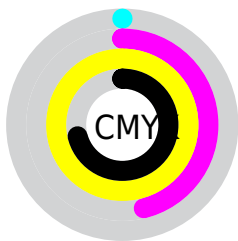
Blue (0%)



Red (25%)

Yellow (29%)

Blue (0%)

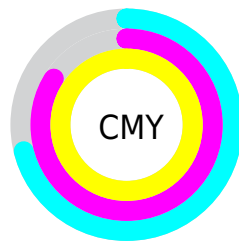


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (71%)



Cyan (71%)

Magenta (84%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 31.555, 66.175 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 20, 31.555, 66.175 by changing the saturation by 10% instead.

 20, 31.555, 66.175

 20, 31.555, 66.175

 100, 31.555,
66.175

 10, 31.555, 66.175

 0, 31.555, 66.175

 40, 31.555, 66.175

 50, 31.555, 66.175

 60, 31.555, 66.175

 70, 31.555, 66.175

 80, 31.555, 66.175

 90, 31.555, 66.175

 20, 31.555, 66.175

 20, 31.555, 66.175

■ 20, 31.619, 66.135

■ 21, 29.077, 68.018

■ 22, 26.353, 69.938

■ 23, 22.900, 71.312

■ 24, 19.373, 72.589

■ 25, 15.879, 73.821

■ 27, 12.468, 75.026

■ 28, 9.164, 76.210

■ 29, 5.973, 77.369

■ 30, 2.894, 78.487

Harmonies

Complementary

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



20, 31.555, 66.175



14, 28.842, 282.862

Rectangle

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



20, 31.555, 66.175



20, 31.555, 116.175



20, 31.555, 246.175



20, 31.555, 296.175

Sweetspot

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



20, 31.555, 66.178



36, 11.568, 76.043



13, 34.768, 0.295



17, 7.814, 75.803



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



20, 31.555, 66.178



27, 40.453, 66.094



30, 39.655, 104.731



15, 1.698, 78.597



28, 42.223, 66.001



63, 77.730, 63.438

Inverse Universe

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



14, 28.842, 282.862



19, 36.097, 284.811



5, 52.001, 304.863



14, 1.677, 260.720



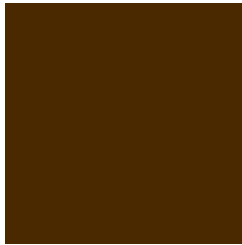
20, 37.660, 285.119



47, 73.228, 288.398

Previews

White Background



This preview shows how the CIELCh color 20, 31.555, 66.175 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



This preview shows how the CIE LCh color 20, 31.555, 66.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

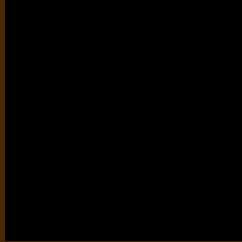
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 31.555, 66.175

Background



This preview shows how black text looks on a background with the CIELCh color 20, 31.555, 66.175.



This preview shows how white text looks on a background with the CIELCh color 20, 31.555, 66.175.

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

20, 31.555, 66.175

Protanopia

20, 26.122, 96.710

Deuteranopia

20, 28.826, 86.565



Tritanopia
20, 19.242, 18.436

Trichromacy



Original Color
20, 31.555, 66.175

Protanomaly
20, 26.957, 84.412

Deuteranomaly
20, 29.293, 79.701

Tritanomaly
20, 22.380, 44.080

Monochromacy



Original Color
20, 31.555, 66.175

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 12.187, 75.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 31.555, 66.175 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(74, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 40, 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(74, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 40, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 31.555, 66.175 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(74, 40, 0) }
```

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

```
.border{ border-color:rgb(74, 40, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 40, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 40, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(74, 40, 0); box-shadow:4px  
4px 4px 4px rgb(74, 40, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 31.555, 66.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 40, 0) }
```

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

```
.background{ background-color: rgb(74, 40,  
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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