

Converting Colors

CIELCh(20, 32.157, 120.641)

Have a look what the booklet for
CIELCh(20, 32.157, 120.641)
contains.

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Color

CIELCh(20, 32.385, 120.604)

Conversions

Conversions Part 1

Format	Color
Hex	243600
RGB	36, 54, 0
RGB Percent	14%, 21%, 0%
CMY	0.8596, 0.7891, 1.0000
CMYK	0.33, 0.00, 1.00, 0.79
HSL	80°, 100%, 11%
HSV	80°, 100%, 21%
XYZ	2.0282, 2.9891, 0.4620
YIQ	42.4620, 6.6060, -20.6100

Conversions

Conversions Part 2

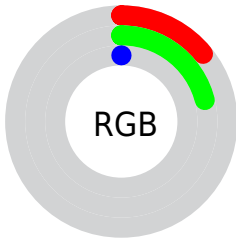
Format	Color
RYB	0, 54, 18
Decimal	2373120
CIELab	20.00, -16.49, 27.87
CIELCh	20, 32.385, 120.604
Yxy	2.9891, 0.3702, 0.5455
Android (android.graphics.Color)	4280563200 (0xFF243600)
YUV	42.4620, -20.9338, -5.6672
Hunter-Lab	17.2889, -9.3149, 10.5177

Details

The CIELCh color **20, 32.385, 120.604** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 37.017, 306.291**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 32.572, 120.369**, and **0, 0.492, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **20, 32.278, 120.668**, and if you desaturate by 10%, it is **20, 29.921, 120.392**.

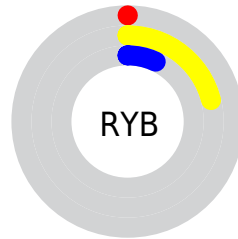
Distribution



Red (14%)

Green (21%)

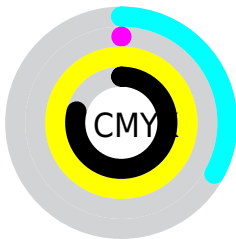
Blue (0%)



Red (0%)

Yellow (21%)

Blue (7%)

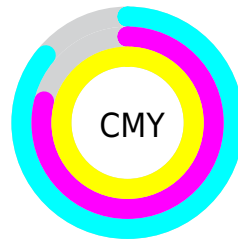


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (79%)



Cyan (86%)


Magenta (79%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 32.385, 120.604 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, 32.385, 120.604 by changing the saturation by 10% instead.

 20, 32.385,
120.604


 20, 32.385,
120.604


 100, 32.385,
120.604


 10, 32.385,
120.604


 40, 32.385,
120.604

 0, 32.385, 120.604

 50, 32.385,
120.604

 60, 32.385,
120.604

 70, 32.385,
120.604

 80, 32.385,
120.604

 90, 32.385,

120.604

■ 20, 32.385,
120.604

■ 20, 32.385,
120.604

■ 20, 32.278,
120.668

■ 20, 29.921,
120.392

■ 20, 27.572,
120.088

■ 21, 24.816,
120.074

■ 21, 21.616,
120.380

■ 21, 18.215,
120.775

■ 21, 14.680,
121.220

■ 22, 11.061,
121.690

■ 22, 7.391, 122.166

■ 22, 3.697, 122.637

Harmonies

Complementary

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



20, 32.385, 120.604



4, 37.017, 306.291

Rectangle

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



20, 32.385, 120.604



20, 32.385, 170.604



20, 32.385, 300.604



20, 32.385, 350.604

Sweetspot

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



20, 32.278, 120.668



28, 13.595, 121.622



11, 23.284, 44.346



13, 9.365, 121.567



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



20, 32.278, 120.668



26, 39.628, 119.993



19, 36.977, 135.495



10, 2.121, 122.712



35, 48.635, 120.455



80, 92.300, 121.667

Inverse Universe

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



4, 37.017, 306.291



6, 48.351, 309.137



7, 38.734, 322.752



9, 2.152, 303.469



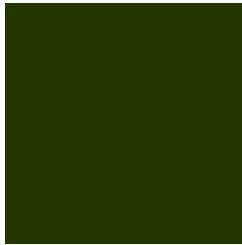
9, 60.671, 309.498



31, 115.332, 308.692

Previews

White Background



This preview shows how the CIELCh color 20, 32.385, 120.604 looks on a white background.

Color Contrast Check

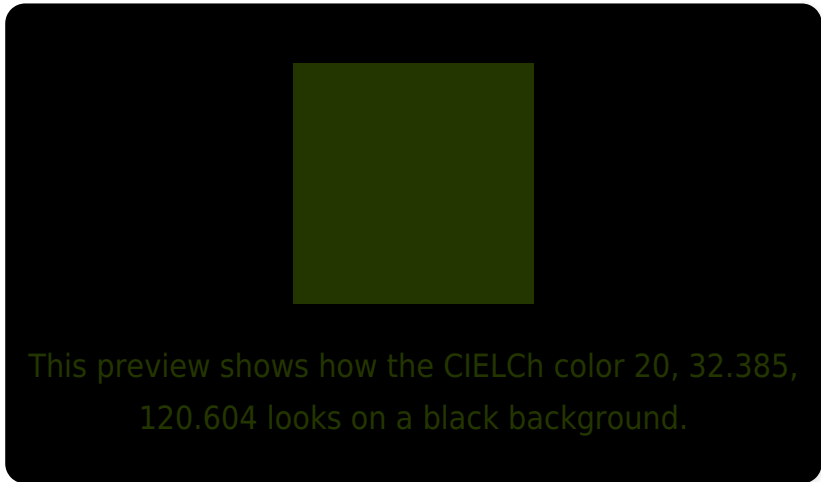
Large Text (above 18pt) WCAG AA ✓ Pass

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 20, 32.385, 120.604

Background



This preview shows how black text looks on a background with the CIELCh color 20, 32.385, 120.604.



This preview shows how white text looks on a background with the CIELCh color 20, 32.385, 120.604.

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

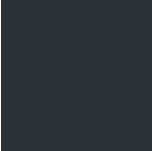
20, 32.385, 120.604

Protanopia

20, 28.537, 96.937

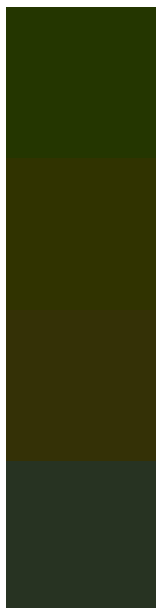
Deuteranopia

20, 24.386, 84.268



Tritanopia
20, 4.695, 234.386

Trichromacy



Original Color
20, 32.385, 120.604

Protanomaly
20, 29.344, 106.938

Deuteranomaly
20, 25.907, 100.420

Tritanomaly
20, 12.898, 134.596

Monochromacy



Original Color
20, 32.385, 120.604

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 13.239, 120.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 32.385, 120.604 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, 54, 0)` looks like.

```
.text, #text, p{  
    color:rgb(36, 54, 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(36, 54, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 54, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 32.385, 120.604 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, 54, 0) }
```

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

```
.border{ border-color:rgb(36, 54, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 54, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 54, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(36, 54, 0); box-shadow:4px  
4px 4px 4px rgb(36, 54, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 32.385, 120.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 54, 0) }
```

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

```
.background{ background-color: rgb(36, 54,  
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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