

Converting Colors

CIELCh(20, 28.907, 144.762)

Have a look what the booklet for
CIELCh(20, 28.907, 144.762)
contains.

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Color

CIELCh(20, 28.625, 145.295)

Conversions

Conversions Part 1

Format	Color
Hex	0C3817
RGB	12, 56, 23
RGB Percent	5%, 22%, 9%
CMY	0.9520, 0.7796, 0.9091
CMYK	0.78, 0.00, 0.59, 0.78
HSL	135°, 64%, 13%
HSV	135°, 78%, 22%
XYZ	1.7346, 2.9891, 1.3051
YIQ	39.0820, -15.6310, -19.5910

Conversions

Conversions Part 2

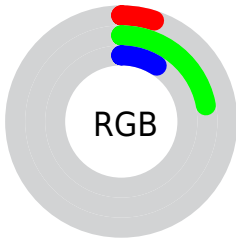
Format	Color
RYB	12, 47, 56
Decimal	800791
CIELab	20.00, -23.53, 16.30
CIElCh	20, 28.625, 145.295
Yxy	2.9891, 0.2877, 0.4958
Android (android.graphics.Color)	4278990871 (0xFF0C3817)
YUV	39.0820, -7.9284, -23.7509
Hunter-Lab	17.2889, -12.3469, 7.6265

Details

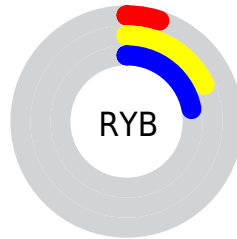
The CIELCh color **20, 28.625, 145.295** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 28.062, 337.378**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 28.687, 145.425**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **20, 31.515, 143.986**, and if you desaturate by 10%, it is **20, 25.476, 146.581**.

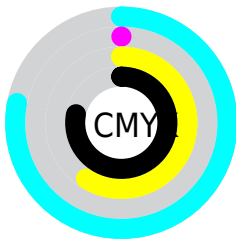
Distribution



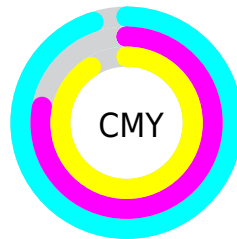
- Red (5%)
- Green (22%)
- Blue (9%)



- Red (5%)
- Yellow (18%)
- Blue (22%)



- Cyan (78%)
- Magenta (0%)
- Yellow (59%)
- Black (78%)





- Cyan (95%)
- Magenta (78%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 28.625, 145.295 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, 28.625, 145.295 by changing the saturation by 10% instead.

 20, 28.625,
145.295


 20, 28.625,
145.295


 100, 28.625,
145.295


 10, 28.625,
145.295


 40, 28.625,
145.295

 0, 28.625, 145.295

 50, 28.625,
145.295

 60, 28.625,
145.295

 70, 28.625,
145.295

 80, 28.625,
145.295

 90, 28.625,

145.295

■ 20, 28.625,
145.295

■ 20, 28.625,
145.295

■ 20, 31.515,
143.986

■ 20, 25.476,
146.581

■ 20, 34.301,
143.043

■ 21, 22.072,
147.740

■ 20, 34.773,
142.934

■ 21, 18.469,
148.774

■ 21, 14.727,
149.689

■ 22, 10.898,
150.500

■ 22, 7.029, 151.219

■ 23, 3.160, 151.873

■ 24, 0.678, 332.196

■ 24, 4.460, 332.860

Harmonies

Complementary

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



20, 28.625, 145.295



11, 28.062, 337.378

Rectangle

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



20, 28.625, 145.295



20, 28.625, 195.295



20, 28.625, 325.295



20, 28.625, 15.295

Sweetspot

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



20, 28.625, 145.295



30, 11.168, 150.803



22, 27.587, 115.508



14, 7.804, 150.697



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



20, 28.625, 145.295



27, 40.893, 142.462



20, 18.529, 170.593



10, 2.123, 151.867



33, 50.310, 141.113



77, 98.336, 139.496

Inverse Universe

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



11, 28.062, 337.378



15, 38.336, 339.194



10, 23.119, 9.550



9, 2.131, 332.715



19, 45.822, 340.187



49, 85.077, 341.471

Previews

White Background



This preview shows how the CIELCh color 20, 28.625, 145.295 looks on a white background.

Color Contrast Check

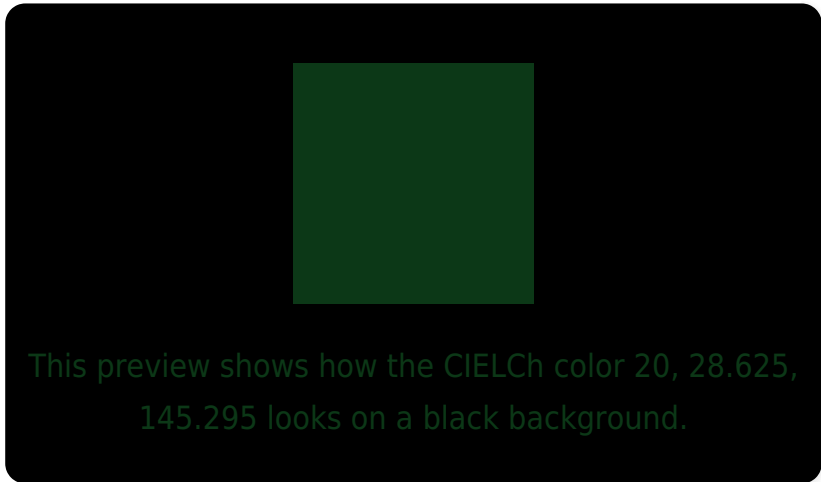
Large Text (above 18pt) WCAG AA ✓ Pass

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

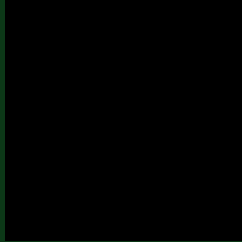
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 28.625, 145.295

Background



This preview shows how black text looks on a background with the CIELCh color 20, 28.625, 145.295.



This preview shows how white text looks on a background with the CIELCh color 20, 28.625, 145.295.

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, 28.625, 145.295

Protanopia

20, 18.655, 97.310

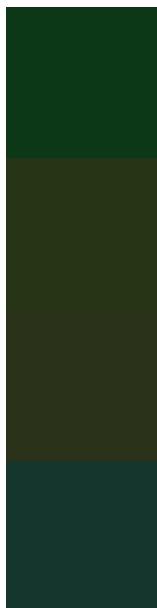
Deuteranopia

20, 15.348, 79.508



Tritanopia
20, 10.917, 212.099

Trichromacy



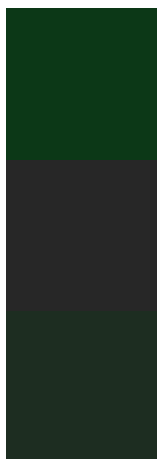
Original Color
20, 28.625, 145.295

Protanomaly
20, 20.742, 124.375

Deuteranomaly
19, 17.092, 120.227

Tritanomaly
20, 15.194, 172.701

Monochromacy



Original Color
20, 28.625, 145.295

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 11.362, 150.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 28.625, 145.295 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(12, 56, 23)` looks like.

```
.text, #text, p{  
    color:rgb(12, 56, 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(12, 56, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 56, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 28.625, 145.295 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(12, 56, 23) }
```

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

```
.border{ border-color:rgb(12, 56, 23) }
```

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

Here you see how a box with a 4 pixel rgb(12, 56, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 56, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 56, 23);  
box-shadow:4px 4px 4px 4px rgb(12, 56, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 28.625, 145.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 56, 23) }
```

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

```
.background{ background-color: rgb(12, 56,  
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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