

Converting Colors

CIELCh(20, 25.729, 140.493)

Have a look what the booklet for
CIELCh(20, 25.729, 140.493)
contains.

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Color

CIELCh(20, 25.785, 140.415)

Conversions

Conversions Part 1

Format	Color
Hex	173717
RGB	23, 55, 23
RGB Percent	9%, 22%, 9%
CMY	0.9093, 0.7839, 0.9094
CMYK	0.58, 0.00, 0.58, 0.78
HSL	120°, 41%, 15%
HSV	120°, 58%, 22%
XYZ	1.8833, 2.9891, 1.2938
YIQ	41.7840, -8.8000, -16.7360

Conversions

Conversions Part 2

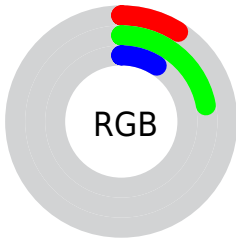
Format	Color
RYB	23, 55, 55
Decimal	1521431
CIELab	20.00, -19.87, 16.43
CIElCh	20, 25.785, 140.415
Yxy	2.9891, 0.3054, 0.4848
Android (android.graphics.Color)	4279711511 (0xFF173717)
YUV	41.7840, -9.2605, -16.4736
Hunter-Lab	17.2889, -10.8110, 7.6654

Details

The CIELCh color **20, 25.785, 140.415** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **14, 25.654, 327.000**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 25.445, 140.805**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **20, 29.657, 139.462**, and if you desaturate by 10%, it is **20, 21.609, 141.311**.

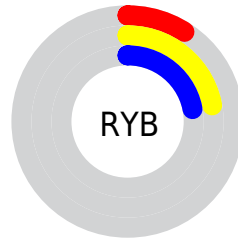
Distribution



Red (9%)

Green (22%)

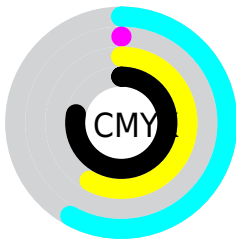
Blue (9%)



Red (9%)

Yellow (22%)

Blue (22%)

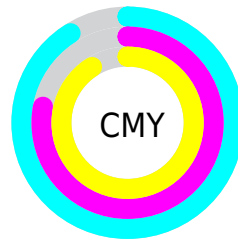


Cyan (58%)

Magenta (0%)

Yellow (58%)

Black (78%)



Cyan (91%)


Magenta (78%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 25.785, 140.415 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, 25.785, 140.415 by changing the saturation by 10% instead.

 20, 25.785,
140.415


 20, 25.785,
140.415


 100, 25.785,
140.415


 10, 25.785,
140.415


 40, 25.785,
140.415

 0, 25.785, 140.415

 50, 25.785,
140.415

 60, 25.785,
140.415

 70, 25.785,
140.415

 80, 25.785,
140.415

 90, 25.785,

140.415

■ 20, 25.785,
140.415

■ 20, 25.785,
140.415

■ 20, 29.657,
139.462

■ 20, 21.609,
141.311

■ 19, 33.026,
138.650

■ 21, 17.229,
142.126

■ 19, 35.790,
138.231

■ 21, 12.730,
142.853

■ 19, 38.578,
137.997

■ 22, 8.181, 143.495

■ 19, 39.124,
137.970

■ 23, 3.637, 144.066

■ 23, 0.863, 324.398

■ 24, 5.287, 324.917

■ 25, 9.616, 325.288

■ 26, 13.836,
325.605

Harmonies

Complementary

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



20, 25.785, 140.415



14, 25.654, 327.000

Rectangle

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



20, 25.785, 140.415



20, 25.785, 190.415



20, 25.785, 320.415



20, 25.785, 10.415

Sweetspot

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



20, 25.785, 140.415



29, 9.552, 143.510



22, 20.320, 104.739



13, 6.262, 143.499



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, 25.785, 140.415



26, 37.367, 138.946



20, 17.913, 157.620



10, 2.531, 144.050



33, 56.780, 136.013



77, 106.883, 136.015

Inverse Universe

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



14, 25.654, 327.000



17, 36.912, 327.518



13, 18.800, 347.911



9, 2.536, 324.793



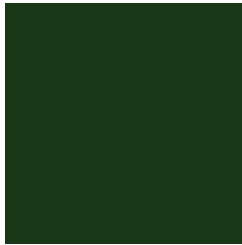
20, 54.787, 328.220



52, 103.128, 328.219

Previews

White Background



This preview shows how the CIELCh color 20, 25.785, 140.415 looks on a white background.

Color Contrast Check

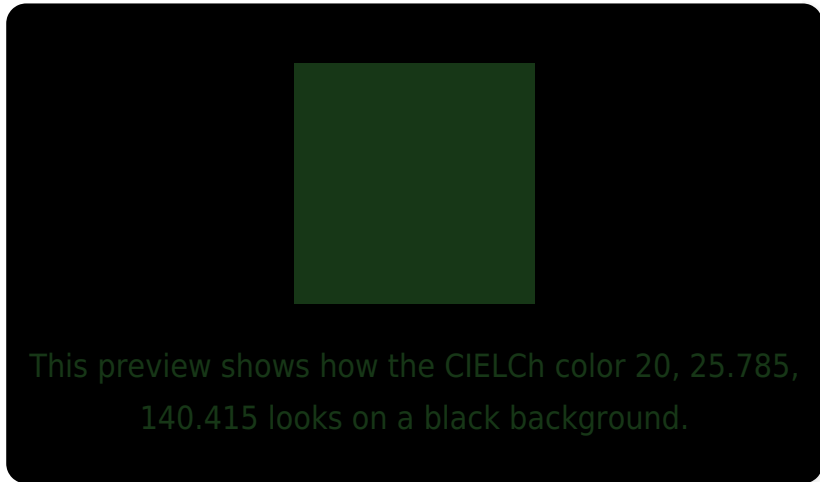
Large Text (above 18pt) WCAG AA ✓ Pass

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

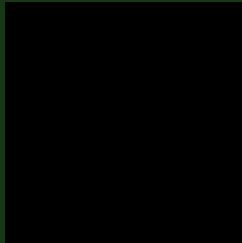
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 25.785, 140.415

Background



This preview shows how black text looks on a background with the CIELCh color 20, 25.785, 140.415.



This preview shows how white text looks on a background with the CIELCh color 20, 25.785, 140.415.

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](#).

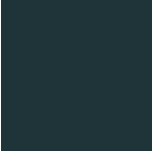
Dichromacy



Original Color
20, 25.785, 140.415

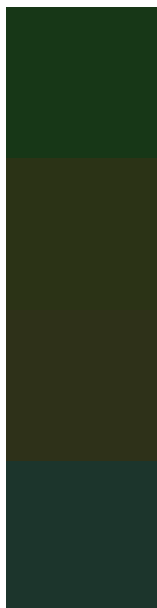
Protanopia
20, 18.189, 95.414

Deuteranopia
20, 15.348, 79.508



Tritanopia
20, 8.781, 216.127

Trichromacy



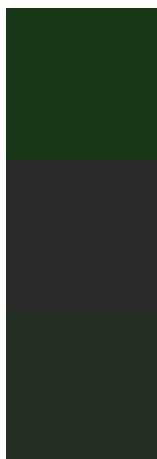
Original Color
20, 25.785, 140.415

Protanomaly
20, 19.459, 118.091

Deuteranomaly
19, 16.027, 111.939

Tritanomaly
20, 12.574, 167.821

Monochromacy



Original Color
20, 25.785, 140.415

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 10.119, 143.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 25.785, 140.415 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(23, 55, 23)` looks like.

```
.text, #text, p{  
    color:rgb(23, 55, 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(23, 55, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 55, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 25.785, 140.415 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(23, 55, 23) }
```

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

```
.border{ border-color:rgb(23, 55, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 55, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 55, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 55, 23);  
box-shadow:4px 4px 4px 4px rgb(23, 55, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 25.785, 140.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 55, 23) }
```

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

```
.background{ background-color: rgb(23, 55,  
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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