

Converting Colors

CIELCh(20, 38.805, 25.388)

Have a look what the booklet for
CIELCh(20, 38.805, 25.388) contains.

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Color

CIELCh(20, 38.640, 25.493)

Conversions

Conversions Part 1

Format	Color
Hex	60121A
RGB	96, 18, 26
RGB Percent	38%, 7%, 10%
CMY	0.6237, 0.9296, 0.8982
CMYK	0.00, 0.81, 0.73, 0.62
HSL	354°, 68%, 22%
HSV	354°, 81%, 38%
XYZ	5.2196, 2.9891, 1.2768
YIQ	42.2340, 43.9200, 19.0240

Conversions

Conversions Part 2

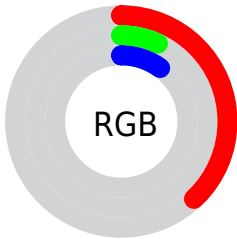
Format	Color
RYB	96, 18, 26
Decimal	6296090
CIELab	20.00, 34.88, 16.63
CIELCh	20, 38.640, 25.493
Yxy	2.9891, 0.5503, 0.3151
Android (android.graphics.Color)	4284486170 (0xFF60121A)
YUV	42.2340, -8.0034, 47.1528
Hunter-Lab	17.2889, 23.6342, 7.7235

Details

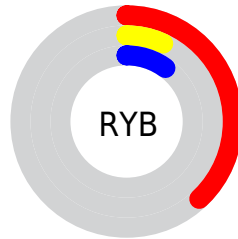
The CIELCh color **20, 38.640, 25.493** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 24.579, 184.547**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 38.647, 25.855**, and **5, 23.845, 18.421** is the 20% darker color. If you saturate the color by 10%, you get **19, 42.864, 29.299**, and if you desaturate by 10%, it is **22, 33.952, 22.093**.

Distribution



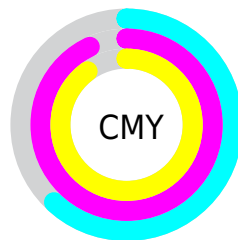
- Red (38%)
- Green (7%)
- Blue (10%)



- Red (38%)
- Yellow (7%)
- Blue (10%)



- Cyan (0%)
- Magenta (81%)
- Yellow (73%)
- Black (62%)



- Cyan (62%)
- Magenta (93%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 38.640, 25.493 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, 38.640, 25.493 by changing the saturation by 10% instead.

■ 20, 38.640, 25.493

■ 20, 38.640, 25.493

■ 100, 38.640,
25.493

■ 10, 38.640, 25.493

■ 40, 38.640, 25.493

■ 0, 38.640, 25.493

■ 50, 38.640, 25.493

■ 60, 38.640, 25.493

■ 70, 38.640, 25.493

■ 80, 38.640, 25.493

■ 90, 38.640, 25.493

■ 20, 38.640, 25.493

■ 20, 38.640, 25.493

19, 42.864, 29.299

22, 33.952, 22.093

18, 45.975, 30.950

24, 28.993, 19.320

26, 23.913, 17.101

29, 18.856, 15.329

31, 13.932, 13.903

34, 9.215, 12.737

37, 4.743, 11.754

40, 0.527, 10.430

43, 3.435, 190.443

Harmonies

Complementary

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



20, 38.640, 25.493



36, 24.579, 184.547

Rectangle

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



20, 38.640, 25.493



20, 38.640, 75.493



20, 38.640, 205.493



20, 38.640, 255.493

Sweetspot

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



20, 38.638, 25.495



43, 13.039, 13.114



21, 51.187, 324.057



21, 9.093, 13.404



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



20, 38.638, 25.495



25, 56.300, 33.337



26, 33.972, 55.355



18, 2.358, 11.532



22, 52.385, 32.906



50, 95.298, 36.439

Inverse Universe

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



20, 38.638, 25.495



25, 56.300, 33.337



26, 22.634, 258.893



18, 2.358, 11.532



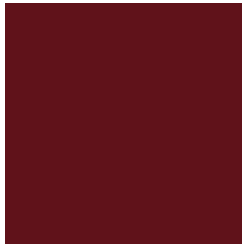
22, 52.385, 32.906



50, 95.298, 36.439

Previews

White Background



This preview shows how the CIELCh color 20, 38.640, 25.493 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, 38.640, 25.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

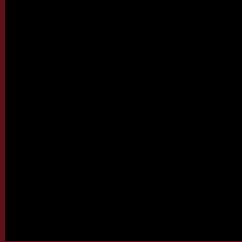
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 38.640, 25.493

Background



This preview shows how black text looks on a background with the CIELCh color 20, 38.640, 25.493.

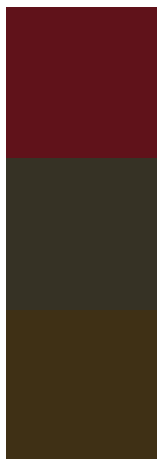


This preview shows how white text looks on a background with the CIELCh color 20, 38.640, 25.493.

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, 38.640, 25.493

Protanopia

21, 8.969, 95.004

Deuteranopia

21, 19.868, 81.291



Tritanopia
20, 40.277, 32.032

Trichromacy



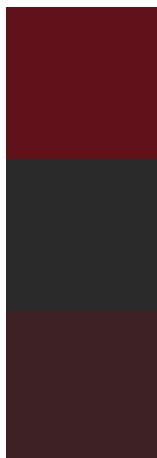
Original Color
20, 38.640, 25.493

Protanomaly
19, 16.943, 34.440

Deuteranomaly
20, 23.778, 46.220

Tritanomaly
20, 39.413, 29.540

Monochromacy



Original Color
20, 38.640, 25.493

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 14.942, 15.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 38.640, 25.493 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(96, 18, 26)` looks like.

```
.text, #text, p{  
    color:rgb(96, 18, 26)  
}
```

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(96, 18, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 18, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 38.640, 25.493 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(96, 18, 26) }
```

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

```
.border{ border-color:rgb(96, 18, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 18, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 18, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 18, 26);  
box-shadow:4px 4px 4px 4px rgb(96, 18, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 38.640, 25.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 18, 26) }
```

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

```
.background{ background-color: rgb(96, 18,  
26) }
```

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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