

Converting Colors

CIELCh(20, 32.407, 41.612)

Have a look what the booklet for
CIELCh(20, 32.407, 41.612) contains.

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Color

CIELCh(20, 32.164, 41.182)

Conversions

Conversions Part 1

Format	Color
Hex	551F12
RGB	85, 31, 18
RGB Percent	33%, 12%, 7%
CMY	0.6653, 0.8772, 0.9283
CMYK	0.00, 0.63, 0.79, 0.67
HSL	12°, 65%, 20%
HSV	12°, 79%, 33%
XYZ	4.3888, 2.9891, 0.9301
YIQ	45.6640, 36.3570, 7.4050

Conversions

Conversions Part 2

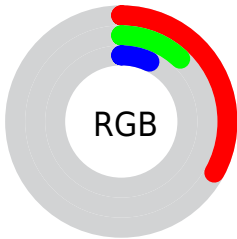
Format	Color
R_YB	85, 34, 18
Decimal	5578514
CIE _{Lab}	20.00, 24.21, 21.18
CIE _{LCh}	20, 32.164, 41.182
Yxy	2.9891, 0.5283, 0.3598
Android (android.graphics.Color)	4283768594 (0xFF551F12)
YUV	45.6640, -13.6384, 34.4977
Hunter-Lab	17.2889, 15.0572, 8.9124

Details

The CIELCh color **20, 32.164, 41.182** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 17.794, 225.940**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 32.132, 40.535**, and **4, 16.910, 18.038** is the 20% darker color. If you saturate the color by 10%, you get **19, 36.325, 40.976**, and if you desaturate by 10%, it is **22, 27.283, 40.296**.

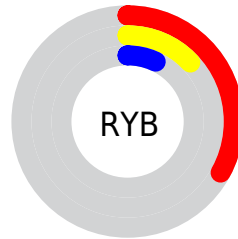
Distribution



Red (33%)

Green (12%)

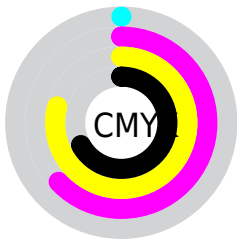
Blue (7%)



Red (33%)

Yellow (13%)

Blue (7%)

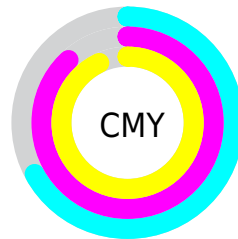


Cyan (0%)

Magenta (63%)

Yellow (79%)

Black (67%)



Cyan (67%)


Magenta (88%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 32.164, 41.182 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, 32.164, 41.182 by changing the saturation by 10% instead.

 20, 32.164, 41.182

 20, 32.164, 41.182

 100, 32.164,
41.182

 10, 32.164, 41.182

 0, 32.164, 41.182

 40, 32.164, 41.182

 50, 32.164, 41.182

 60, 32.164, 41.182

 70, 32.164, 41.182

 80, 32.164, 41.182

 90, 32.164, 41.182

 20, 32.164, 41.182

 20, 32.164, 41.182

■ 19, 36.325, 40.976

■ 22, 27.283, 40.296

■ 17, 39.769, 40.503

■ 24, 22.540, 39.583

■ 17, 40.235, 40.506

■ 26, 18.027, 39.075

■ 28, 13.786, 38.754

■ 30, 9.829, 38.592

■ 32, 6.150, 38.551

■ 34, 2.735, 38.572

■ 37, 0.438, 219.513

■ 39, 3.389, 219.148

Harmonies

Complementary

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



20, 32.164, 41.182



28, 17.794, 225.940

Rectangle

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



20, 32.164, 41.182



20, 32.164, 91.182



20, 32.164, 221.182



20, 32.164, 271.182

Sweetspot

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



20, 32.163, 41.185



40, 10.195, 38.564



20, 40.617, 334.800



19, 6.986, 38.578



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



20, 32.163, 41.185



25, 49.130, 42.416



29, 30.502, 82.577



16, 1.808, 38.572



23, 49.726, 42.345



51, 93.853, 42.972

Inverse Universe

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



28, 17.794, 225.940



36, 23.366, 230.722



17, 31.895, 288.070



17, 1.720, 219.118



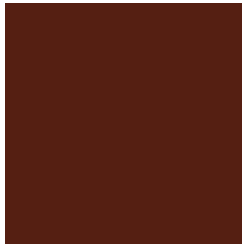
33, 23.067, 232.237



71, 41.195, 234.951

Previews

White Background



This preview shows how the CIELCh color 20, 32.164, 41.182 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, 32.164, 41.182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

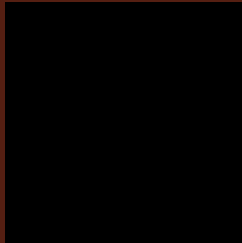
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 32.164, 41.182

Background



This preview shows how black text looks on a background with the CIELCh color 20, 32.164, 41.182.

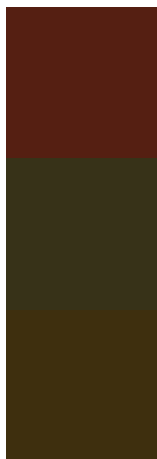


This preview shows how white text looks on a background with the CIELCh color 20, 32.164, 41.182.

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, 32.164, 41.182

Protanopia

21, 17.393, 97.161

Deuteranopia

20, 23.162, 83.636



Tritanopia
20, 29.061, 26.190

Trichromacy



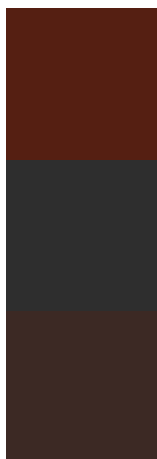
Original Color
20, 32.164, 41.182

Protanomaly
20, 19.513, 65.826

Deuteranomaly
20, 24.118, 63.179

Tritanomaly
20, 30.322, 32.107

Monochromacy



Original Color
20, 32.164, 41.182

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 10.535, 40.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 32.164, 41.182 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(85, 31, 18)` looks like.

```
.text, #text, p{  
    color:rgb(85, 31, 18)  
}
```

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(85, 31, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 31, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 32.164, 41.182 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(85, 31, 18) }
```

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

```
.border{ border-color:rgb(85, 31, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 31, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 31, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 31, 18);  
box-shadow:4px 4px 4px 4px rgb(85, 31, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 32.164, 41.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 31, 18) }
```

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

```
.background{ background-color: rgb(85, 31,  
18) }
```

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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