

Converting Colors

CIELCh(20, 26.916, 50.998)

Have a look what the booklet for
CIELCh(20, 26.916, 50.998) contains.

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Color

CIELCh(20, 26.847, 50.605)

Conversions

Conversions Part 1

Format	Color
Hex	4D2512
RGB	77, 37, 18
RGB Percent	30%, 15%, 7%
CMY	0.6962, 0.8534, 0.9280
CMYK	0.00, 0.52, 0.76, 0.70
HSL	19°, 62%, 19%
HSV	19°, 76%, 30%
XYZ	3.8834, 2.9891, 0.9603
YIQ	46.7940, 29.9390, 2.5710

Conversions

Conversions Part 2

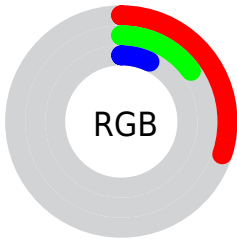
Format	Color
R_{YB}	77, 46, 18
Decimal	5055762
CIE _{Lab}	20.00, 17.04, 20.75
CIE _{LCh}	20, 26.847, 50.605
Yxy	2.9891, 0.4958, 0.3816
Android (android.graphics.Color)	4283245842 (0xFF4D2512)
YUV	46.7940, -14.1954, 26.4907
Hunter-Lab	17.2889, 9.8389, 8.8090

Details

The CIELCh color **20, 26.847, 50.605** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **23, 17.044, 246.783**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 26.560, 51.332**, and **3, 11.872, 17.458** is the 20% darker color. If you saturate the color by 10%, you get **19, 30.501, 49.465**, and if you desaturate by 10%, it is **21, 22.667, 50.863**.

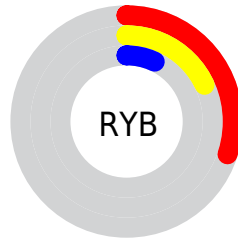
Distribution



Red (30%)

Green (15%)

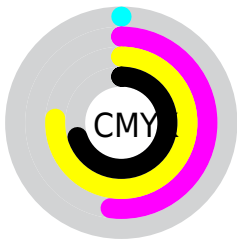
Blue (7%)



Red (30%)

Yellow (18%)

Blue (7%)

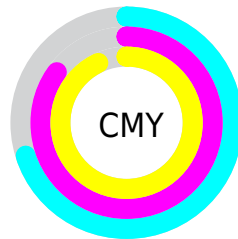


Cyan (0%)

Magenta (52%)

Yellow (76%)

Black (70%)



Cyan (70%)

Magenta (85%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 26.847, 50.605 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, 26.847, 50.605 by changing the saturation by 10% instead.

 20, 26.847, 50.605

 20, 26.847, 50.605

 100, 26.847,
50.605

 10, 26.847, 50.605

 0, 26.847, 50.605

 40, 26.847, 50.605

 50, 26.847, 50.605

 60, 26.847, 50.605

 70, 26.847, 50.605

 80, 26.847, 50.605

 90, 26.847, 50.605

 20, 26.847, 50.605

 20, 26.847, 50.605

■ 19, 30.501, 49.465

■ 21, 22.667, 50.863

■ 17, 33.536, 47.795

■ 23, 18.639, 51.172

■ 17, 34.646, 47.342

■ 25, 14.819, 51.562

■ 26, 11.226, 52.032

■ 28, 7.860, 52.570

■ 30, 4.709, 53.156

■ 32, 1.759, 53.717

■ 34, 1.009, 234.788

■ 35, 3.613, 235.309

Harmonies

Complementary

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



20, 26.847, 50.605



23, 17.044, 246.783

Rectangle

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



20, 26.847, 50.605



20, 26.847, 100.605



20, 26.847, 230.605



20, 26.847, 280.605

Sweetspot

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



20, 26.846, 50.608



37, 8.386, 52.713



17, 33.918, 341.073



18, 5.894, 52.590



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



20, 26.846, 50.608



24, 40.844, 49.566



28, 29.791, 93.225



14, 1.557, 53.600



23, 45.148, 48.894



54, 86.723, 48.041

Inverse Universe

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



23, 17.044, 246.783



28, 23.364, 253.675



13, 34.363, 294.611



14, 1.498, 235.032



27, 25.168, 256.953



61, 47.263, 260.883

Previews

White Background



This preview shows how the CIELCh color 20, 26.847, 50.605 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, 26.847, 50.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

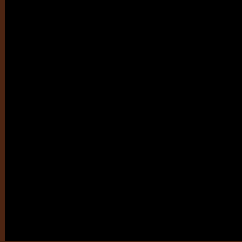
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 26.847, 50.605

Background



This preview shows how black text looks on a background with the CIELCh color 20, 26.847, 50.605.

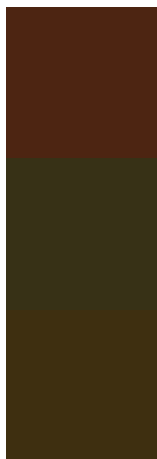


This preview shows how white text looks on a background with the CIELCh color 20, 26.847, 50.605.

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, 26.847, 50.605

Protanopia

20, 18.148, 95.505

Deuteranopia

20, 22.151, 82.956



Tritanopia
20, 21.877, 20.024

Trichromacy



Original Color
20, 26.847, 50.605

Protanomaly
20, 19.208, 74.888

Deuteranomaly
20, 22.951, 69.753

Tritanomaly
20, 22.855, 32.916

Monochromacy



Original Color
20, 26.847, 50.605

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 8.726, 53.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 26.847, 50.605 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(77, 37, 18)` looks like.

```
.text, #text, p{  
    color:rgb(77, 37, 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(77, 37, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 37, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 26.847, 50.605 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(77, 37, 18) }
```

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

```
.border{ border-color:rgb(77, 37, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 37, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 37, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 37, 18);  
box-shadow:4px 4px 4px 4px rgb(77, 37, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 26.847, 50.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 37, 18) }
```

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

```
.background{ background-color: rgb(77, 37,  
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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