

Converting Colors

CIELCh(20, 29.363, 24.417)

Have a look what the booklet for
CIELCh(20, 29.363, 24.417) contains.

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Color

CIELCh(20, 29.226, 24.028)

Conversions

Conversions Part 1

Format	Color
Hex	561D20
RGB	86, 29, 32
RGB Percent	34%, 11%, 13%
CMY	0.6616, 0.8853, 0.8736
CMYK	0.00, 0.66, 0.63, 0.66
HSL	357°, 49%, 23%
HSV	357°, 66%, 34%
XYZ	4.5739, 2.9891, 1.7186
YIQ	46.3850, 33.0090, 13.0170

Conversions

Conversions Part 2

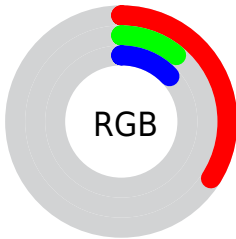
Format	Color
RYB	86, 29, 32
Decimal	5643552
CIELab	20.00, 26.69, 11.90
CIELCh	20, 29.226, 24.028
Yxy	2.9891, 0.4928, 0.3220
Android (android.graphics.Color)	4283833632 (0xFF561D20)
YUV	46.3850, -7.0918, 34.7424
Hunter-Lab	17.2889, 16.9675, 6.2086

Details

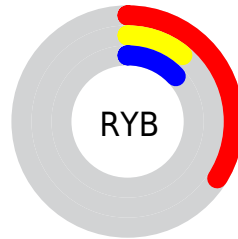
The CIELCh color **20, 29.226, 24.028** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **33, 19.453, 191.205**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 29.022, 23.964**, and **4, 18.543, 18.159** is the 20% darker color. If you saturate the color by 10%, you get **18, 33.950, 26.917**, and if you desaturate by 10%, it is **22, 24.395, 21.697**.

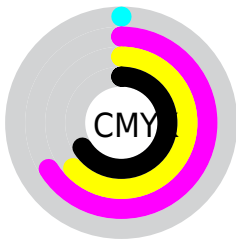
Distribution



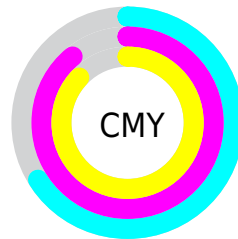
- Red (34%)
- Green (11%)
- Blue (13%)



- Red (34%)
- Yellow (11%)
- Blue (13%)



- Cyan (0%)
- Magenta (66%)
- Yellow (63%)
- Black (66%)



- Cyan (66%)
- Magenta (89%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 29.226, 24.028 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, 29.226, 24.028 by changing the saturation by 10% instead.

 20, 29.226, 24.028

 20, 29.226, 24.028

 100, 29.226,
24.028

 10, 29.226, 24.028

 0, 29.226, 24.028

 40, 29.226, 24.028

 50, 29.226, 24.028

 60, 29.226, 24.028

 70, 29.226, 24.028

 80, 29.226, 24.028

 90, 29.226, 24.028

 20, 29.226, 24.028

 20, 29.226, 24.028

18, 33.950, 26.917

22, 24.395, 21.697

17, 38.237, 29.870

24, 19.594, 19.839

16, 41.533, 31.180

27, 14.928, 18.363

15, 42.787, 31.383

29, 10.467, 17.180

32, 6.249, 16.215

35, 2.289, 15.361

38, 1.419, 195.064

41, 4.889, 194.384

44, 8.138, 193.910

Harmonies

Complementary

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



20, 29.226, 24.028



33, 19.453, 191.205

Rectangle

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



20, 29.226, 24.028



20, 29.226, 74.028



20, 29.226, 204.028



20, 29.226, 254.028

Sweetspot

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



20, 29.225, 24.031



40, 9.793, 16.634



22, 40.730, 325.386



19, 6.644, 16.795



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, 29.225, 24.031



24, 43.833, 28.760



26, 24.244, 61.331



16, 2.130, 15.595



21, 51.499, 34.505



49, 96.141, 38.441

Inverse Universe

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



20, 29.225, 24.031



24, 43.833, 28.760



25, 18.682, 260.162



16, 2.130, 15.595



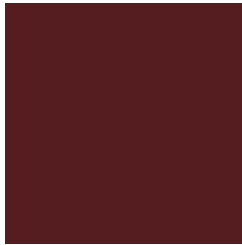
21, 51.499, 34.505



49, 96.141, 38.441

Previews

White Background



This preview shows how the CIELCh color 20, 29.226, 24.028 looks on a white background.

Color Contrast Check

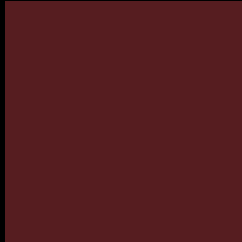
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.226, 24.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

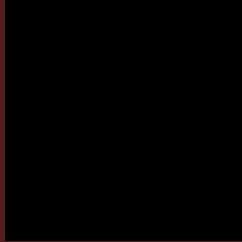
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 29.226, 24.028

Background



This preview shows how black text looks on a background with the CIELCh color 20, 29.226, 24.028.



This preview shows how white text looks on a background with the CIELCh color 20, 29.226, 24.028.

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, 29.226, 24.028

Protanopia

20, 5.602, 93.504

Deuteranopia

20, 14.109, 77.680



Tritanopia
20, 29.426, 25.276

Trichromacy



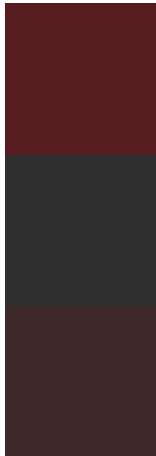
Original Color
20, 29.226, 24.028

Protanomaly
20, 11.742, 34.979

Deuteranomaly
20, 17.685, 46.660

Tritanomaly
20, 29.426, 25.276

Monochromacy



Original Color
20, 29.226, 24.028

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 10.008, 17.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 29.226, 24.028 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(86, 29, 32)` looks like.

```
.text, #text, p{  
    color:rgb(86, 29, 32)  
}
```

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(86, 29, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 29, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 29.226, 24.028 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(86, 29, 32) }
```

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

```
.border{ border-color:rgb(86, 29, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 29, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 29, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 29, 32);  
box-shadow:4px 4px 4px 4px rgb(86, 29, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 29.226, 24.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 29, 32) }
```

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

```
.background{ background-color: rgb(86, 29,  
32) }
```

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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