

Converting Colors

CIELCh(20, 26.010, 7.179)

Have a look what the booklet for
CIELCh(20, 26.010, 7.179) contains.

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Color

CIELCh(20, 25.924, 8.103)

Conversions

Conversions Part 1

Format	Color
Hex	531F2C
RGB	83, 31, 44
RGB Percent	33%, 12%, 17%
CMY	0.6750, 0.8788, 0.8278
CMYK	0.00, 0.63, 0.47, 0.67
HSL	345°, 46%, 22%
HSV	345°, 63%, 33%
XYZ	4.4967, 2.9891, 2.7129
YIQ	48.0300, 26.8190, 15.0670

Conversions

Conversions Part 2

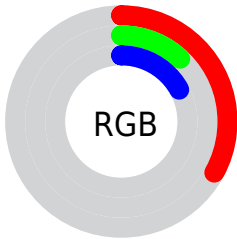
Format	Color
R_{YB}	83, 31, 44
Decimal	5447468
CIE Lab	20.00, 25.67, 3.65
CIE LCh	20, 25.924, 8.103
Yxy	2.9891, 0.4409, 0.2931
Android (android.graphics.Color)	4283637548 (0xFF531F2C)
YUV	48.0300, -1.9868, 30.6687
Hunter-Lab	17.2889, 16.1710, 2.7985

Details

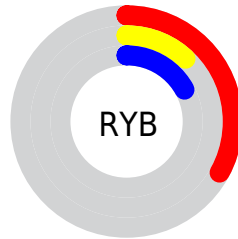
The CIELCh color **20, 25.924, 8.103** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **32, 21.068, 173.290**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 25.713, 8.879**, and **4, 18.543, 18.159** is the 20% darker color. If you saturate the color by 10%, you get **18, 29.761, 10.715**, and if you desaturate by 10%, it is **22, 21.796, 5.996**.

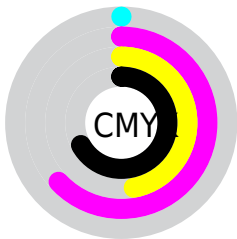
Distribution



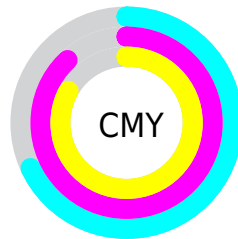
- Red (33%)
- Green (12%)
- Blue (17%)



- Red (33%)
- Yellow (12%)
- Blue (17%)



- Cyan (0%)
- Magenta (63%)
- Yellow (47%)
- Black (67%)



- Cyan (68%)
- Magenta (88%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 25.924, 8.103 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, 25.924, 8.103 by changing the saturation by 10% instead.

 20, 25.924, 8.103

 20, 25.924, 8.103

 100, 25.924, 8.103

 10, 25.924, 8.103

 40, 25.924, 8.103

 0, 25.924, 8.103

 50, 25.924, 8.103

 60, 25.924, 8.103

 70, 25.924, 8.103


 80, 25.924, 8.103

 90, 25.924, 8.103

 20, 25.924, 8.103

 20, 25.924, 8.103

 18, 29.761, 10.715

 22, 21.796, 5.996

17, 33.168, 13.953

24, 17.531, 4.273

16, 36.172, 17.747

27, 13.251, 2.843

15, 38.545, 20.132

29, 9.042, 1.631

32, 4.962, 0.577

35, 1.041, 359.482

37, 2.709, 179.041

40, 6.287, 178.283

43, 9.700, 177.635

Harmonies

Complementary

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



20, 25.924, 8.103



32, 21.068, 173.290

Rectangle

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



20, 25.924, 8.103



20, 25.924, 58.103



20, 25.924, 188.103



20, 25.924, 238.103

Sweetspot

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



20, 25.922, 8.105



39, 9.288, 1.293



19, 36.949, 319.066



18, 6.338, 1.474



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



20, 25.922, 8.105



24, 37.610, 12.189



23, 23.354, 43.048



15, 2.133, 0.177



20, 45.785, 22.128



49, 84.412, 26.366

Inverse Universe

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



20, 25.922, 8.105



24, 37.610, 12.189



28, 15.169, 229.227



15, 2.133, 0.177



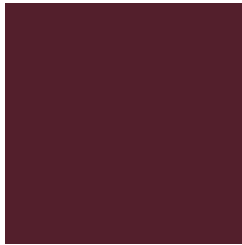
20, 45.785, 22.128



49, 84.412, 26.366

Previews

White Background



This preview shows how the CIE LCh color 20, 25.924, 8.103 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

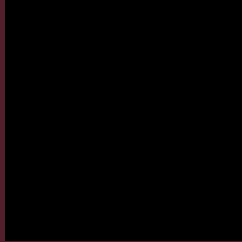
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 25.924, 8.103

Background



This preview shows how black text looks on a background with the CIELCh color 20, 25.924, 8.103.



This preview shows how white text looks on a background with the CIELCh color 20, 25.924, 8.103.

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, 25.924, 8.103

Protanopia

21, 3.396, 290.981

Deuteranopia

20, 6.490, 58.609



Tritanopia
20, 25.156, 23.207

Trichromacy



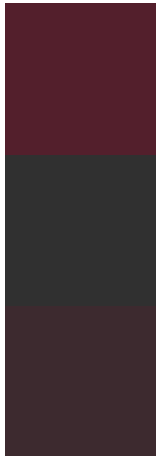
Original Color
20, 25.924, 8.103

Protanomaly
20, 10.480, 350.812

Deuteranomaly
20, 12.564, 19.308

Tritanomaly
20, 25.191, 17.629

Monochromacy



Original Color
20, 25.924, 8.103

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 9.763, 1.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 25.924, 8.103 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(83, 31, 44)` looks like.

```
.text, #text, p{  
    color:rgb(83, 31, 44)  
}
```

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(83, 31, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 31, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 25.924, 8.103 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(83, 31, 44) }
```

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

```
.border{ border-color:rgb(83, 31, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 31, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 31, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 31, 44);  
box-shadow:4px 4px 4px 4px rgb(83, 31, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 25.924, 8.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 31, 44) }
```

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

```
.background{ background-color: rgb(83, 31,  
44) }
```

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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