

Converting Colors

CIELCh(20, 33.230, 328.374)

Have a look what the booklet for
CIELCh(20, 33.230, 328.374)
contains.

CIELCh(20, 32.898, 328.527)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(20, 32.898, 328.527)

Conversions

Conversions Part 1

Format	Color
Hex	4C1F4A
RGB	76, 31, 74
RGB Percent	30%, 12%, 29%
CMY	0.7028, 0.8792, 0.7106
CMYK	0.00, 0.59, 0.03, 0.70
HSL	303°, 42%, 21%
HSV	303°, 59%, 30%
XYZ	4.6776, 2.9891, 6.7730
YIQ	49.3570, 13.0170, 22.9130

Conversions

Conversions Part 2

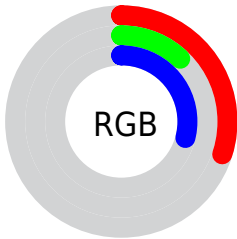
Format	Color
RYB	76, 31, 74
Decimal	4988746
CIELab	20.00, 28.06, -17.18
CIElCh	20, 32.898, 328.527
Yxy	2.9891, 0.3239, 0.2070
Android (android.graphics.Color)	4283178826 (0xFF4C1F4A)
YUV	49.3570, 12.1490, 23.3659
Hunter-Lab	17.2889, 18.0386, -11.1251

Details

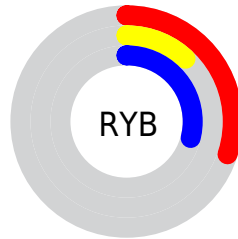
The CIELCh color **20, 32.898, 328.527** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **28, 33.172, 141.089**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 32.690, 328.221**, and **4, 23.154, 329.721** is the 20% darker color. If you saturate the color by 10%, you get **19, 37.315, 328.930**, and if you desaturate by 10%, it is **22, 27.897, 328.084**.

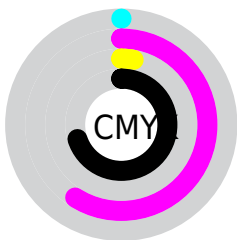
Distribution



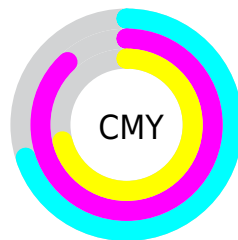
- Red (30%)
- Green (12%)
- Blue (29%)



- Red (30%)
- Yellow (12%)
- Blue (29%)



- Cyan (0%)
- Magenta (59%)
- Yellow (3%)
- Black (70%)



- Cyan (70%)
- Magenta (88%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 32.898, 328.527 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, 32.898, 328.527 by changing the saturation by 10% instead.

■ 20, 32.898,
328.527

■ 20, 32.898,
328.527

■ 100, 32.898,
328.527

■ 10, 32.898,
328.527

■ 40, 32.898,
328.527

■ 0, 32.898, 328.527

■ 50, 32.898,
328.527

■ 60, 32.898,
328.527

■ 70, 32.898,
328.527

■ 80, 32.898,
328.527

■ 90, 32.898,

328.527

■ 20, 32.898,
328.527

■ 20, 32.898,
328.527

■ 19, 37.315,
328.930

■ 22, 27.897,
328.084

■ 17, 40.968,
329.285

■ 24, 22.498,
327.611

■ 16, 43.740,
329.590

■ 26, 16.861,
327.117

■ 16, 46.381,
329.878

■ 28, 11.113,
326.609

■ 15, 46.558,
329.897

■ 30, 5.350, 326.091

■ 32, 0.360, 145.988

■ 35, 5.972, 145.149

■ 37, 11.457,
144.664

■ 40, 16.800,
144.204

Harmonies

Complementary

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



20, 32.898, 328.527



28, 33.172, 141.089

Rectangle

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



20, 32.898, 328.527



20, 32.898, 18.527



20, 32.898, 148.527



20, 32.898, 198.527

Sweetspot

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



20, 32.897, 328.527



37, 12.938, 326.576



14, 31.751, 298.964



18, 9.069, 326.665



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, 32.897, 328.527



25, 47.048, 329.092



19, 24.289, 351.686



14, 3.214, 326.055



23, 57.068, 329.969



54, 103.028, 330.101

Inverse Universe

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



20, 32.897, 328.527



25, 47.048, 329.092



29, 22.688, 159.648



14, 3.214, 326.055



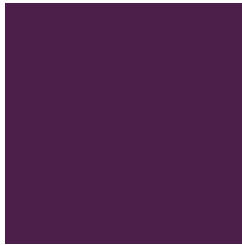
23, 57.068, 329.969



54, 103.028, 330.101

Previews

White Background



This preview shows how the CIE LCh color 20, 32.898, 328.527 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, 32.898, 328.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

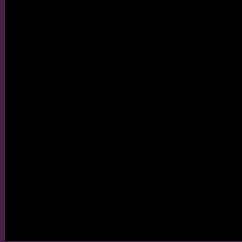
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 32.898, 328.527

Background



This preview shows how black text looks on a background with the CIELCh color 20, 32.898, 328.527.



This preview shows how white text looks on a background with the CIELCh color 20, 32.898, 328.527.

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, 32.898, 328.527

Protanopia

20, 27.986, 284.911

Deuteranopia

21, 15.104, 282.042



Tritanopia
20, 16.614, 16.662

Trichromacy



Original Color
20, 32.898, 328.527

Protanomaly
19, 28.033, 299.185

Deuteranomaly
20, 21.086, 307.677

Tritanomaly
20, 20.526, 349.167

Monochromacy



Original Color
20, 32.898, 328.527

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 13.299, 327.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 32.898, 328.527 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(76, 31, 74)` looks like.

```
.text, #text, p{  
    color:rgb(76, 31, 74)  
}
```

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(76, 31, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 31, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 32.898, 328.527 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(76, 31, 74) }
```

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

```
.border{ border-color:rgb(76, 31, 74) }
```

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

Here you see how a box with a 4 pixel rgb(76, 31, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 31, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 31, 74);  
box-shadow:4px 4px 4px 4px rgb(76, 31, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 32.898, 328.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 31, 74) }
```

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

```
.background{ background-color: rgb(76, 31,  
74) }
```

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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