

Converting Colors

CIELCh(20, 27.944, 329.636)

Have a look what the booklet for
CIELCh(20, 27.944, 329.636)
contains.

CIELCh(20, 27.971, 330.135)	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, 27.971, 330.135)

Conversions

Conversions Part 1

Format	Color
Hex	492245
RGB	73, 34, 69
RGB Percent	29%, 13%, 27%
CMY	0.7138, 0.8667, 0.7295
CMYK	0.00, 0.53, 0.05, 0.71
HSL	306°, 36%, 21%
HSV	306°, 53%, 29%
XYZ	4.3924, 2.9891, 5.9740
YIQ	49.6510, 12.0090, 19.1530

Conversions

Conversions Part 2

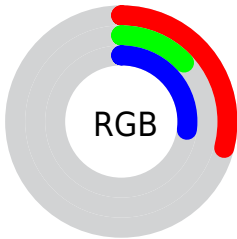
Format	Color
R_{YB}	73, 34, 69
Decimal	4792901
CIE _{Lab}	20.00, 24.26, -13.93
CIE _{LCh}	20, 27.971, 330.135
Yxy	2.9891, 0.3289, 0.2238
Android (android.graphics.Color)	4282982981 (0xFF492245)
YUV	49.6510, 9.5391, 20.4771
Hunter-Lab	17.2889, 15.0944, -8.3849

Details

The CIELCh color **20, 27.971, 330.135** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **27, 28.103, 143.340**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 27.981, 330.529**, and **3, 19.162, 333.704** is the 20% darker color. If you saturate the color by 10%, you get **18, 32.451, 330.636**, and if you desaturate by 10%, it is **22, 23.054, 329.619**.

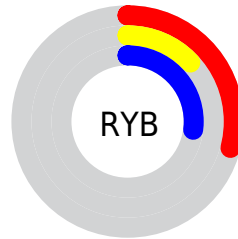
Distribution



Red (29%)

Green (13%)

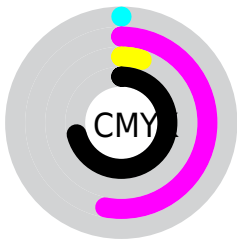
Blue (27%)



Red (29%)

Yellow (13%)

Blue (27%)

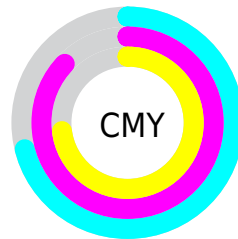


Cyan (0%)

Magenta (53%)

Yellow (5%)

Black (71%)



Cyan (71%)


Magenta (87%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 27.971, 330.135 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, 27.971, 330.135 by changing the saturation by 10% instead.

 20, 27.971,
330.135


 20, 27.971,
330.135


 100, 27.971,
330.135


 10, 27.971,
330.135


 40, 27.971,
330.135

 0, 27.971, 330.135

 50, 27.971,
330.135

 60, 27.971,
330.135

 70, 27.971,
330.135

 80, 27.971,
330.135

 90, 27.971,

330.135

■ 20, 27.971,
330.135

■ 20, 27.971,
330.135

■ 18, 32.451,
330.636

■ 22, 23.054,
329.619

■ 17, 36.319,
331.117

■ 24, 17.866,
329.092

■ 16, 39.399,
331.579

■ 26, 12.535,
328.560

■ 15, 41.860,
332.020

■ 28, 7.163, 328.026

■ 14, 43.565,
332.297

■ 30, 1.820, 327.451

■ 33, 3.444, 147.061

■ 35, 8.599, 146.547

■ 37, 13.628,
146.070

■ 40, 18.521,
145.616

Harmonies

Complementary

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



20, 27.971, 330.135



27, 28.103, 143.340

Rectangle

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



20, 27.971, 330.135



20, 27.971, 20.135



20, 27.971, 150.135



20, 27.971, 200.135

Sweetspot

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



20, 27.970, 330.135



36, 10.572, 328.196



16, 27.396, 299.678



17, 7.200, 328.247



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



20, 27.970, 330.135



24, 40.148, 330.782



19, 20.734, 355.153



13, 2.910, 327.761



22, 53.700, 332.499



53, 97.539, 332.855

Inverse Universe

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



20, 27.970, 330.135



24, 40.148, 330.782



28, 18.918, 164.273



13, 2.910, 327.761



22, 53.700, 332.499



53, 97.539, 332.855

Previews

White Background



This preview shows how the CIE LCh color 20, 27.971, 330.135 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, 27.971, 330.135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

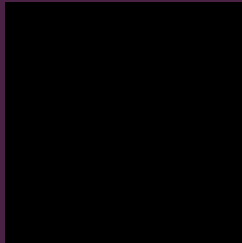
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 27.971, 330.135

Background



This preview shows how black text looks on a background with the CIELCh color 20, 27.971, 330.135.



This preview shows how white text looks on a background with the CIELCh color 20, 27.971, 330.135.

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, 27.971, 330.135

Protanopia

20, 22.539, 284.997

Deuteranopia

20, 12.965, 286.135



Tritanopia
20, 15.057, 15.478

Trichromacy



Original Color
20, 27.971, 330.135

Protanomaly
20, 23.356, 300.811

Deuteranomaly
20, 17.814, 310.005

Tritanomaly
20, 17.870, 352.517

Monochromacy



Original Color
20, 27.971, 330.135

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 10.888, 327.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 27.971, 330.135 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(73, 34, 69)` looks like.

```
.text, #text, p{  
    color:rgb(73, 34, 69)  
}
```

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(73, 34, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 34, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 27.971, 330.135 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(73, 34, 69) }
```

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

```
.border{ border-color:rgb(73, 34, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 34, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 34, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 34, 69);  
box-shadow:4px 4px 4px 4px rgb(73, 34, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 27.971, 330.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 34, 69) }
```

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

```
.background{ background-color: rgb(73, 34,  
69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor