

Converting Colors

CIELCh(29, 27.674, 320.877)

Have a look what the booklet for
CIELCh(29, 27.674, 320.877)
contains.

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Color

CIELCh(29, 27.744, 320.310)

Conversions

Conversions Part 1

Format	Color
Hex	583960
RGB	88, 57, 96
RGB Percent	35%, 22%, 38%
CMY	0.6551, 0.7766, 0.6237
CMYK	0.08, 0.41, 0.00, 0.62
HSL	288°, 26%, 30%
HSV	288°, 41%, 38%
XYZ	7.5901, 5.8380, 11.7817
YIQ	70.7150, 5.9570, 18.7010

Conversions

Conversions Part 2

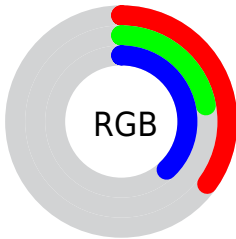
Format	Color
R_{YB}	88, 57, 96
Decimal	5781856
CIE _{Lab}	29.00, 21.35, -17.72
CIE _{LCh}	29, 27.744, 320.310
Yxy	5.8380, 0.3011, 0.2316
Android (android.graphics.Color)	4283971936 (0xFF583960)
YUV	70.7150, 12.4655, 15.1589
Hunter-Lab	24.1619, 13.7900, -11.9974




Details

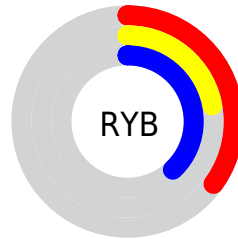
The CIELCh color $29, 27.744, 320.310$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $37, 27.276, 136.583$, and the grayscale version is $30, 0.005, 296.813$.




A 20% lighter version of the original color is $49, 27.773, 320.333$, and $9, 27.099, 320.298$ is the 20% darker color. If you saturate the color by 10%, you get $26, 34.377, 320.666$, and if you desaturate by 10%, it is $32, 20.913, 319.914$.

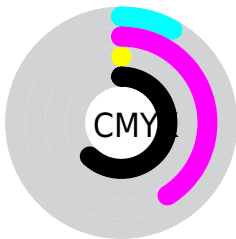
Distribution







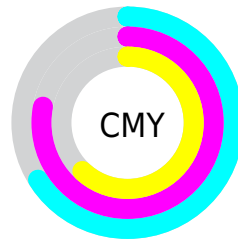
-  Red (35%)
-  Green (22%)
-  Blue (38%)






-  Red (35%)
-  Yellow (22%)
-  Blue (38%)



-  Cyan (8%)
-  Magenta (41%)
-  Yellow (0%)
-  Black (62%)





-  Cyan (66%)
-  Magenta (78%)
-  Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 27.744, 320.310 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 29, 27.744, 320.310 by changing the saturation by 10% instead.

 29, 27.744,
320.310


 29, 27.744,
320.310

 100, 27.744,
320.310


 19, 27.744,
320.310


 49, 27.744,
320.310


 9, 27.744, 320.310

 59, 27.744,
320.310

 0, 27.744, 320.310

 69, 27.744,
320.310

 79, 27.744,
320.310

 89, 27.744,
320.310

 99, 27.744,

320.310

■ 29, 27.744,
320.310

■ 29, 27.744,
320.310

■ 26, 34.377,
320.666

■ 32, 20.913,
319.914

■ 24, 40.622,
320.957

■ 35, 14.026,
319.499

■ 22, 46.236,
321.149

■ 38, 7.178, 319.075

■ 20, 50.941,
321.205

■ 41, 0.432, 318.403

■ 19, 54.489,
321.089

■ 44, 6.174, 138.312

■ 17, 57.514,
320.966

■ 47, 12.618,
137.930

■ 50, 18.892,
137.579

■ 53, 24.991,
137.253

■ 56, 30.919,
136.952

Harmonies

Complementary

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



29, 27.744, 320.310



37, 27.276, 136.583

Rectangle

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



29, 27.744, 320.310



29, 27.744, 10.310



29, 27.744, 140.310



29, 27.744, 190.310

Sweetspot

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



29, 27.743, 320.310



48, 10.074, 319.149



28, 19.866, 285.162



24, 6.739, 319.182



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



29, 27.743, 320.310



35, 41.341, 320.662



30, 23.959, 336.370



18, 3.809, 318.999



21, 64.250, 320.838



49, 112.521, 320.407

Inverse Universe

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



29, 18.634, 7.436



35, 28.255, 9.164



37, 23.730, 150.405



18, 2.426, 3.551



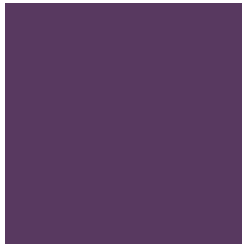
22, 49.466, 26.316



50, 89.141, 30.041

Previews

White Background



This preview shows how the CIE LCh color 29, 27.744, 320.310 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 CIELCh color 29, 27.744, 320.310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

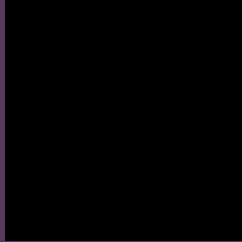
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 27.744, 320.310

Background



This preview shows how black text looks on a background with the CIELCh color 29, 27.744, 320.310.



This preview shows how white text looks on a background with the CIELCh color 29, 27.744, 320.310.

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

29, 27.744, 320.310

Protanopia

29, 24.559, 285.997

Deuteranopia

29, 16.833, 284.414



Tritanopia
29, 10.062, 2.780

Trichromacy



Original Color
29, 27.744, 320.310

Protanomaly
29, 25.281, 298.808

Deuteranomaly
29, 20.236, 301.380

Tritanomaly
29, 15.040, 335.773

Monochromacy



Original Color
29, 27.744, 320.310

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 10.182, 319.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 27.744, 320.310 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(88, 57, 96)` looks like.

```
.text, #text, p{  
    color:rgb(88, 57, 96)  
}
```

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(88, 57, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 57, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 27.744, 320.310 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(88, 57, 96) }
```

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

```
.border{ border-color:rgb(88, 57, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 57, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 57, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 57, 96);  
box-shadow:4px 4px 4px 4px rgb(88, 57, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 27.744, 320.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 57, 96) }
```

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

```
.background{ background-color: rgb(88, 57,  
96) }
```

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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