

Converting Colors

CIELCh(27, 50.636, 325.659)

Have a look what the booklet for
CIELCh(27, 50.636, 325.659)
contains.

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Color

CIELCh(27, 50.602, 325.518)

Conversions

Conversions Part 1

Format	Color
Hex	67216C
RGB	103, 33, 108
RGB Percent	40%, 13%, 42%
CMY	0.5949, 0.8694, 0.5754
CMYK	0.05, 0.69, 0.00, 0.58
HSL	296°, 53%, 28%
HSV	296°, 69%, 42%
XYZ	8.9008, 5.0937, 14.7800
YIQ	62.4800, 17.6450, 38.1650

Conversions

Conversions Part 2

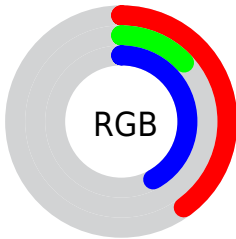
Format	Color
R_{YB}	103, 33, 108
Decimal	6758764
CIE Lab	27.00, 41.71, -28.65
CIE LCh	27, 50.602, 325.518
Yxy	5.0937, 0.3093, 0.1770
Android (android.graphics.Color)	4284948844 (0xFF67216C)
YUV	62.4800, 22.4414, 35.5360
Hunter-Lab	22.5692, 30.9005, -23.0291

Details

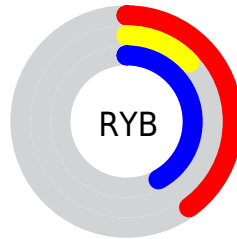
The CIELCh color $[27, 50.602, 325.518]$ is a dark color, and the websafe version is hex $\#660066$. A complement of this color would be $[40, 50.900, 137.549]$, and the grayscale version is $[26, 0.004, 296.813]$.

A 20% lighter version of the original color is $[47, 50.416, 325.310]$, and $[10, 41.447, 324.290]$ is the 20% darker color. If you saturate the color by 10%, you get $[25, 55.424, 325.696]$, and if you desaturate by 10%, it is $[29, 44.654, 325.242]$.

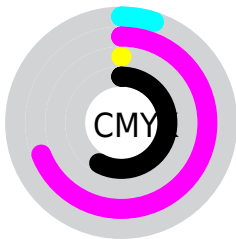
Distribution



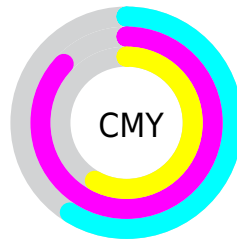
- Red (40%)
- Green (13%)
- Blue (42%)



- Red (40%)
- Yellow (13%)
- Blue (42%)



- Cyan (5%)
- Magenta (69%)
- Yellow (0%)
- Black (58%)





- Cyan (59%)
- Magenta (87%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 50.602, 325.518 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 27, 50.602, 325.518 by changing the saturation by 10% instead.

 27, 50.602,
325.518


 27, 50.602,
325.518

 100, 50.602,
325.518


 17, 50.602,
325.518

 47, 50.602,
325.518


 7, 50.602, 325.518

 57, 50.602,
325.518

 0, 50.602, 325.518

 67, 50.602,
325.518

 77, 50.602,
325.518

 87, 50.602,
325.518

 97, 50.602,

325.518

■ 27, 50.602,
325.518

■ 27, 50.602,
325.518

■ 25, 55.424,
325.696

■ 29, 44.654,
325.242

■ 24, 58.905,
325.759

■ 31, 37.865,
324.888

■ 23, 61.530,
325.753

■ 34, 30.510,
324.476

■ 23, 61.733,
325.754

■ 37, 22.827,
324.026

■ 40, 15.002,
323.552

■ 43, 7.172, 323.064

■ 46, 0.572, 142.883

■ 49, 8.168, 142.168

■ 52, 15.581,
141.713

Harmonies

Complementary

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



27, 50.602, 325.518



40, 50.900, 137.549

Rectangle

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



27, 50.602, 325.518



27, 50.602, 15.518



27, 50.602, 145.518



27, 50.602, 195.518

Sweetspot

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



27, 50.601, 325.518



50, 20.252, 323.663



19, 47.211, 298.558



25, 13.820, 323.760



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



27, 50.601, 325.518



33, 69.451, 325.748



26, 38.598, 347.370



21, 4.317, 323.049



25, 65.351, 325.732



55, 112.487, 325.587

Inverse Universe

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



25, 36.920, 24.420



30, 54.734, 29.995



40, 37.706, 152.772



21, 2.554, 14.456



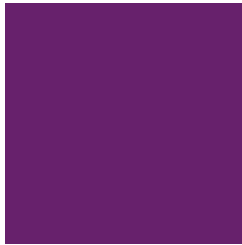
23, 55.236, 34.911



51, 98.745, 38.020

Previews

White Background



This preview shows how the CIE LCh color 27, 50.602, 325.518 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 27, 50.602, 325.518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

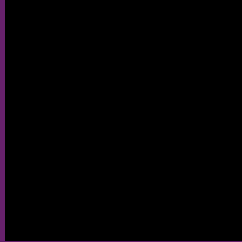
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 50.602, 325.518

Background



This preview shows how black text looks on a background with the CIELCh color 27, 50.602, 325.518.



This preview shows how white text looks on a background with the CIELCh color 27, 50.602, 325.518.

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
27, 50.602, 325.518

Protanopia
27, 45.641, 285.251

Deuteranopia
28, 25.150, 279.579



Tritanopia
27, 22.191, 17.571

Trichromacy



Original Color
27, 50.602, 325.518

Protanomaly
25, 47.117, 294.888

Deuteranomaly
26, 34.342, 303.794

Tritanomaly
27, 28.988, 346.920

Monochromacy



Original Color
27, 50.602, 325.518

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 20.696, 325.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 50.602, 325.518 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(103, 33, 108)` looks like.

```
.text, #text, p{  
    color:rgb(103, 33, 108)  
}
```

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(103, 33, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 33, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 50.602, 325.518 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(103, 33, 108) }
```

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

```
.border{ border-color:rgb(103, 33, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 33, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 33, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 33, 108);  
box-shadow:4px 4px 4px 4px rgb(103, 33,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 50.602, 325.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 33, 108) }
```

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

```
.background{ background-color: rgb(103, 33,  
108) }
```

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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