

Converting Colors

CIELCh(27, 52.744, 353.990)

Have a look what the booklet for
CIELCh(27, 52.744, 353.990)
contains.

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Color

CIELCh(27, 52.411, 354.090)

Conversions

Conversions Part 1

Format	Color
Hex	80004A
RGB	128, 0, 74
RGB Percent	50%, 0%, 29%
CMY	0.4962, 1.0000, 0.7115
CMYK	0.00, 1.00, 0.43, 0.50
HSL	326°, 100%, 25%
HSV	326°, 100%, 50%
XYZ	10.1834, 5.0937, 6.8476
YIQ	46.7080, 52.5340, 50.1500

Conversions

Conversions Part 2

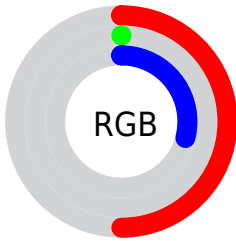
Format	Color
R_{YB}	128, 0, 74
Decimal	8388682
CIE _{Lab}	27.00, 52.13, -5.40
CIE _{LCh}	27, 52.411, 354.090
Yxy	5.0937, 0.4603, 0.2302
Android (android.graphics.Color)	4286578762 (0xFF80004A)
YUV	46.7080, 13.4550, 71.2931
Hunter-Lab	22.5692, 41.0449, -2.1904

Details

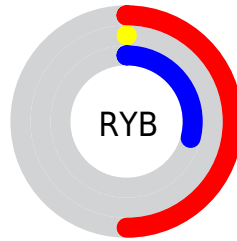
The CIELCh color **27, 52.411, 354.090** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **47, 56.580, 146.528**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 52.268, 353.409**, and **13, 34.240, 5.030** is the 20% darker color. If you saturate the color by 10%, you get **27, 52.237, 354.164**, and if you desaturate by 10%, it is **28, 50.824, 351.508**.

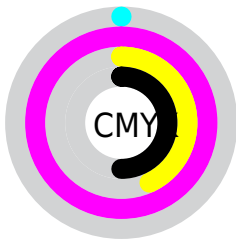
Distribution



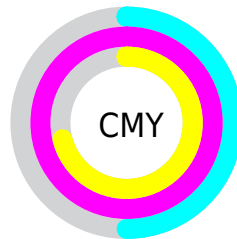
- Red (50%)
- Green (0%)
- Blue (29%)



- Red (50%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (50%)





- Cyan (50%)
- Magenta (100%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 52.411, 354.090 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, 52.411, 354.090 by changing the saturation by 10% instead.


 27, 52.411,
354.090


 27, 52.411,
354.090

 100, 52.411,
354.090


 17, 52.411,
354.090


 47, 52.411,
354.090


 7, 52.411, 354.090

 57, 52.411,
354.090

 0, 52.411, 354.090

 67, 52.411,
354.090

 77, 52.411,
354.090

 87, 52.411,
354.090

 97, 52.411,

354.090

■ 27, 52.411,
354.090

■ 27, 52.411,
354.090

■ 27, 52.237,
354.164

■ 28, 50.824,
351.508

■ 29, 48.464,
349.198

■ 31, 44.665,
347.330

■ 34, 39.658,
345.792

■ 36, 33.758,
344.494

■ 40, 27.284,
343.370

■ 43, 20.501,
342.375

■ 46, 13.610,
341.476

■ 50, 6.749, 340.644

Harmonies

Complementary

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



27, 52.411, 354.090



47, 56.580, 146.528

Rectangle

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



27, 52.411, 354.090



27, 52.411, 44.090



27, 52.411, 174.090



27, 52.411, 224.090

Sweetspot

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



27, 52.237, 354.164



55, 25.252, 342.439



17, 76.110, 310.505



27, 17.363, 342.782



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



27, 52.237, 354.164



36, 62.679, 354.992



26, 59.069, 35.022



25, 3.777, 340.569



27, 51.960, 354.137



0, 0.000, 0.000

Inverse Universe

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



27, 52.237, 354.164



36, 62.679, 354.992



48, 32.420, 184.773



25, 3.777, 340.569



27, 51.960, 354.137



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 27, 52.411, 354.090 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 27, 52.411, 354.090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

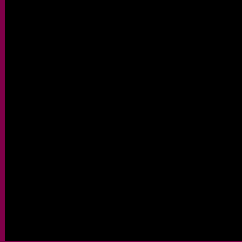
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 52.411, 354.090

Background



This preview shows how black text looks on a background with the CIELCh color 27, 52.411, 354.090.



This preview shows how white text looks on a background with the CIELCh color 27, 52.411, 354.090.

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, 52.219, 353.683

Protanopia

29, 25.939, 285.490

Deuteranopia

29, 4.485, 354.677



Tritanopia
28, 48.056, 31.129

Trichromacy



Original Color
27, 52.219, 353.683

Protanomaly
24, 36.438, 318.816

Deuteranomaly
25, 28.794, 346.516

Tritanomaly
27, 47.734, 16.356

Monochromacy



Original Color
27, 52.219, 353.683

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 26.665, 345.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 52.411, 354.090 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(128, 0, 74)` looks like.

```
.text, #text, p{  
    color:rgb(128, 0, 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(128, 0, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 0, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 52.411, 354.090 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(128, 0, 74) }
```

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

```
.border{ border-color:rgb(128, 0, 74) }
```

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

Here you see how a box with a 4 pixel rgb(128, 0, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(128, 0, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 52.411, 354.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 0, 74) }
```

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

```
.background{ background-color: rgb(128, 0,  
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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