

Converting Colors

CIELCh(16, 38.921, 353.376)

Have a look what the booklet for
CIELCh(16, 38.921, 353.376)
contains.

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Color

CIELCh(16, 38.864, 353.424)

Conversions

Conversions Part 1

Format	Color
Hex	54002F
RGB	84, 0, 47
RGB Percent	33%, 0%, 18%
CMY	0.6701, 0.9995, 0.8153
CMYK	0.00, 1.00, 0.44, 0.67
HSL	326°, 100%, 17%
HSV	326°, 100%, 33%
XYZ	4.1836, 2.0993, 2.8848
YIQ	30.4740, 34.9770, 32.4250

Conversions

Conversions Part 2

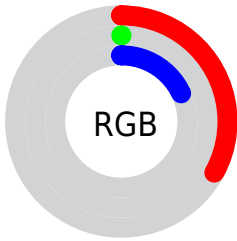
Format	Color
R_{YB}	84, 0, 47
Decimal	5505071
CIE _{Lab}	16.00, 38.61, -4.45
CIE _{LCh}	16, 38.864, 353.424
Yxy	2.0993, 0.4563, 0.2290
Android (android.graphics.Color)	4283695151 (0xFF54002F)
YUV	30.4740, 8.1473, 46.9423
Hunter-Lab	14.4890, 26.1853, -1.6625

Details

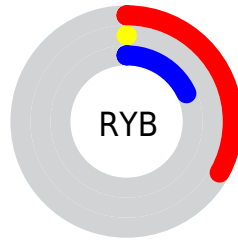
The CIELCh color **16, 38.864, 353.424** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **31, 40.340, 148.393**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 38.942, 353.022**, and **3, 15.364, 17.901** is the 20% darker color. If you saturate the color by 10%, you get **16, 38.897, 353.456**, and if you desaturate by 10%, it is **17, 36.844, 351.353**.

Distribution



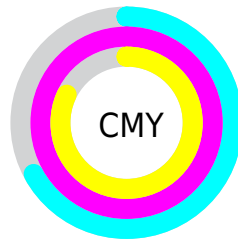
- Red (33%)
- Green (0%)
- Blue (18%)



- Red (33%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (44%)
- Black (67%)



- Cyan (67%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 38.864, 353.424 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 16, 38.864, 353.424 by changing the saturation by 10% instead.

■ 16, 38.864,
353.424

■ 16, 38.864,
353.424

■ 100, 38.864,
353.424

■ 6, 38.864, 353.424

■ 36, 38.864,
353.424

■ 0, 38.864, 353.424

■ 46, 38.864,
353.424

■ 56, 38.864,
353.424

■ 66, 38.864,
353.424


■ 76, 38.864,
353.424

■ 86, 38.864,


353.424


 96, 38.864,
353.424


 16, 38.864,
353.424


 16, 38.864,
353.424


 16, 38.897,
353.456

 17, 36.844,
351.353

 18, 34.702,
349.279

 20, 31.674,
347.572

 21, 27.917,
346.146

 24, 23.639,
344.928

■ 26, 19.033,
343.864

■ 28, 14.258,
342.916

■ 31, 9.433, 342.057

■ 33, 4.639, 341.256

Harmonies

Complementary

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



16, 38.864, 353.424



31, 40.340, 148.393

Rectangle

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



16, 38.864, 353.424



16, 38.864, 43.424



16, 38.864, 173.424



16, 38.864, 223.424

Sweetspot

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



16, 38.862, 353.425



37, 17.845, 343.024



9, 55.879, 311.385



17, 12.277, 343.261



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



16, 38.862, 353.425



22, 46.532, 354.682



15, 41.593, 30.340



15, 2.566, 341.164



21, 45.032, 354.478



50, 79.920, 357.082

Inverse Universe

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



16, 38.862, 353.425



22, 46.532, 354.682



32, 23.567, 187.411



15, 2.566, 341.164



21, 45.032, 354.478



50, 79.920, 357.082

Previews

White Background



This preview shows how the CIELCh color 16, 38.864, 353.424 looks on a white background.

Color Contrast Check

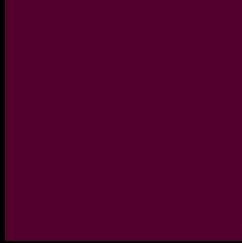
Large Text (above 18pt) WCAG AA ✓ Pass

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 16, 38.864, 353.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

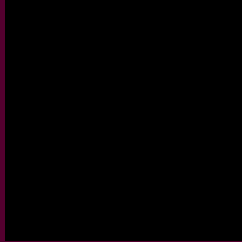
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 38.864, 353.424

Background



This preview shows how black text looks on a background with the CIELCh color 16, 38.864, 353.424.



This preview shows how white text looks on a background with the CIELCh color 16, 38.864, 353.424.

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

16, 38.864, 353.424

Protanopia

18, 17.386, 284.706

Deuteranopia

18, 2.976, 6.694



Tritanopia
17, 34.200, 30.510

Trichromacy



Original Color
16, 38.864, 353.424

Protanomaly
15, 25.233, 320.465

Deuteranomaly
15, 20.152, 348.015

Tritanomaly
16, 34.158, 15.880

Monochromacy



Original Color
16, 38.864, 353.424

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 18.379, 345.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 38.864, 353.424 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(84, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(84, 0, 47)  
}
```

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(84, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 0, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 38.864, 353.424 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(84, 0, 47) }
```

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

```
.border{ border-color:rgb(84, 0, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 0, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 0, 47); -webkit-box-shadow:4px  
4px 4px 4px rgb(84, 0, 47); box-shadow:4px  
4px 4px 4px rgb(84, 0, 47) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 38.864, 353.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 0, 47) }
```

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

```
.background{ background-color: rgb(84, 0,  
47) }
```

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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