

Converting Colors

CIELCh(44, 27.781, 92.363)

Have a look what the booklet for
CIELCh(44, 27.781, 92.363) contains.

CIELCh(44, 27.857, 92.316)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(44, 27.857, 92.316)

Conversions

Conversions Part 1

Format	Color
Hex	756739
RGB	117, 103, 57
RGB Percent	46%, 40%, 22%
CMY	0.5403, 0.5952, 0.7757
CMYK	0.00, 0.12, 0.51, 0.54
HSL	46°, 34%, 34%
HSV	46°, 51%, 46%
XYZ	12.9818, 13.8382, 5.8841
YIQ	101.9420, 23.1100, -11.3380

Conversions

Conversions Part 2

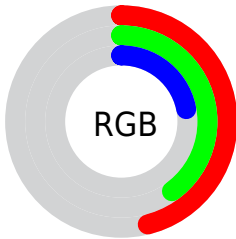
Format	Color
R_{YB}	75, 117, 57
Decimal	7694137
CIE Lab	44.00, -1.13, 27.83
CIE LCh	44, 27.857, 92.316
Yxy	13.8382, 0.3969, 0.4231
Android (android.graphics.Color)	4285884217 (0xFF756739)
YUV	101.9420, -22.1564, 13.2059
Hunter-Lab	37.1997, -2.8074, 16.6616

Details

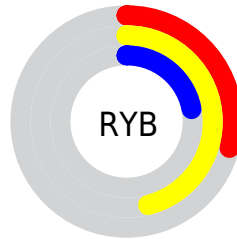
The CIELCh color **44, 27.857, 92.316** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **31, 29.384, 286.599**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 27.914, 92.863**, and **24, 27.807, 91.613** is the 20% darker color. If you saturate the color by 10%, you get **43, 33.085, 91.069**, and if you desaturate by 10%, it is **45, 22.449, 93.547**.

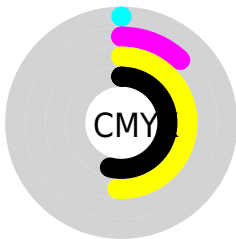
Distribution



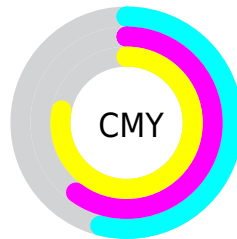
- Red (46%)
- Green (40%)
- Blue (22%)



- Red (29%)
- Yellow (46%)
- Blue (22%)



- Cyan (0%)
- Magenta (12%)
- Yellow (51%)
- Black (54%)





















- Cyan (54%)
- Magenta (60%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 27.857, 92.316 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 44, 27.857, 92.316 by changing the saturation by 10% instead.

 44, 27.857, 92.316	 44, 27.857, 92.316
 100, 27.857, 92.316	 34, 27.857, 92.316
 64, 27.857, 92.316	 24, 27.857, 92.316
 74, 27.857, 92.316	 14, 27.857, 92.316
 84, 27.857, 92.316	 4, 27.857, 92.316
 94, 27.857, 92.316	 0, 27.857, 92.316

 44, 27.857, 92.316	 44, 27.857, 92.316
 43, 33.085, 91.069	 45, 22.449, 93.547
 42, 37.941, 89.786	 46, 16.971, 94.750

■ 41, 42.136, 88.447

■ 47, 11.489, 95.925

■ 40, 45.273, 87.003

■ 48, 6.039, 97.062

■ 40, 47.641, 85.735

■ 49, 0.640, 98.005

■ 50, 4.699, 279.288

■ 51, 9.974, 280.302

■ 53, 15.186,
281.281

■ 54, 20.335,
282.216

Harmonies

Complementary

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



44, 27.857, 92.316



31, 29.384, 286.599

Rectangle

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



44, 27.857, 92.316



44, 27.857, 142.316



44, 27.857, 272.316



44, 27.857, 322.316

Sweetspot

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



44, 27.857, 92.320



61, 10.079, 96.592



32, 28.185, 6.151



31, 6.842, 96.405



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 27.857, 92.320



55, 40.954, 90.897



47, 34.779, 116.924



24, 3.031, 97.301



41, 49.118, 85.644



81, 82.896, 84.524

Inverse Universe

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



31, 29.384, 286.599



36, 44.289, 289.387



28, 38.998, 304.025



23, 3.057, 279.393



17, 63.239, 300.190



38, 112.823, 301.789

Previews

White Background



This preview shows how the CIELCh color 44, 27.857, 92.316 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 × Fail

Black Background



This preview shows how the CIELCh color 44, 27.857, 92.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 27.857, 92.316

Background



This preview shows how black text looks on a background with the CIELCh color 44, 27.857, 92.316.



This preview shows how white text looks on a background with the CIELCh color 44, 27.857, 92.316.

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

44, 27.857, 92.316

Protanopia

44, 27.381, 96.235

Deuteranopia

44, 28.072, 77.858



Tritanopia
44, 10.905, 358.426

Trichromacy



Original Color
44, 27.857, 92.316

Protanomaly
44, 27.477, 95.258

Deuteranomaly
44, 27.647, 83.985

Tritanomaly
44, 11.488, 58.484

Monochromacy



Original Color
44, 27.857, 92.316

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 9.920, 93.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 27.857, 92.316 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(117, 103, 57)` looks like.

```
.text, #text, p{  
    color:rgb(117, 103, 57)  
}
```

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(117, 103, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 103, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 27.857, 92.316 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(117, 103, 57) }
```

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

```
.border{ border-color:rgb(117, 103, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 103, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 103, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 103, 57);  
box-shadow:4px 4px 4px 4px rgb(117, 103,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 27.857, 92.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 103, 57) }
```

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

```
.background{ background-color: rgb(117,  
103, 57) }
```

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