

Converting Colors

CIELCh(27, 55.177, 44.172)

Have a look what the booklet for
CIELCh(27, 55.177, 44.172) contains.

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Color

CIELCh(27, 55.036, 44.489)

Conversions

Conversions Part 1

Format	Color
Hex	7B1D01
RGB	123, 29, 1
RGB Percent	48%, 11%, 0%
CMY	0.5176, 0.8862, 0.9960
CMYK	0.00, 0.76, 0.99, 0.52
HSL	14°, 98%, 24%
HSV	14°, 99%, 48%
XYZ	8.6158, 5.0937, 0.5582
YIQ	53.9140, 65.0120, 11.2200

Conversions

Conversions Part 2

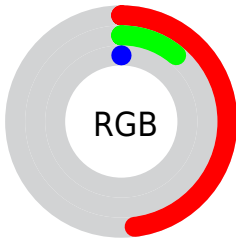
Format	Color
RYB	123, 37, 1
Decimal	8068353
CIELab	27.00, 39.26, 38.57
CIElCh	27, 55.036, 44.489
Yxy	5.0937, 0.6039, 0.3570
Android (android.graphics.Color)	4286258433 (0xFF7B1D01)
YUV	53.9140, -26.0866, 60.5884
Hunter-Lab	22.5692, 28.6466, 14.3320

Details

The CIELCh color **27, 55.036, 44.489** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **37, 25.881, 239.981**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 54.930, 44.265**, and **10, 33.942, 27.653** is the 20% darker color. If you saturate the color by 10%, you get **27, 55.450, 44.524**, and if you desaturate by 10%, it is **29, 49.694, 44.351**.

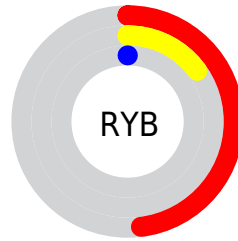
Distribution



Red (48%)

Green (11%)

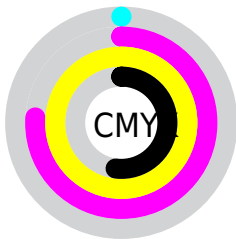
Blue (0%)



Red (48%)

Yellow (15%)

Blue (0%)

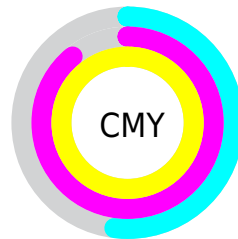


Cyan (0%)

Magenta (76%)

Yellow (99%)

Black (52%)



Cyan (52%)

Magenta (89%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 55.036, 44.489 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, 55.036, 44.489 by changing the saturation by 10% instead.

■ 27, 55.036, 44.489

■ 27, 55.036, 44.489

■ 100, 55.036,
44.489

■ 17, 55.036, 44.489

■ 47, 55.036, 44.489

■ 7, 55.036, 44.489

■ 57, 55.036, 44.489

■ 0, 55.036, 44.489

■ 67, 55.036, 44.489

■ 77, 55.036, 44.489

■ 87, 55.036, 44.489

■ 97, 55.036, 44.489

■ 27, 55.036, 44.489

■ 27, 55.036, 44.489

27, 55.450, 44.524

29, 49.694, 44.351

30, 43.417, 43.816

33, 36.897, 43.201

35, 30.509, 42.705

37, 24.424, 42.385

40, 18.713, 42.242

43, 13.395, 42.251

46, 8.463, 42.379

49, 3.895, 42.572

Harmonies

Complementary

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



27, 55.036, 44.489



37, 25.881, 239.981

Rectangle

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



27, 55.036, 44.489



27, 55.036, 94.489



27, 55.036, 224.489



27, 55.036, 274.489

Sweetspot

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



27, 55.034, 44.491



55, 17.242, 42.241



27, 57.165, 338.642



27, 12.020, 42.229



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



27, 55.034, 44.491



36, 69.062, 44.767



40, 48.290, 81.370



24, 2.380, 42.574



27, 56.202, 44.572



56, 97.862, 43.973

Inverse Universe

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



37, 25.881, 239.981



48, 31.671, 241.434



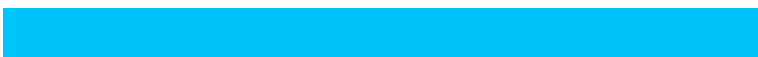
19, 58.788, 297.736



25, 2.260, 223.423



38, 26.268, 240.343



73, 44.670, 242.888

Previews

White Background



This preview shows how the CIE LCh color 27, 55.036, 44.489 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, 55.036, 44.489 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, 55.036, 44.489

Background



This preview shows how black text looks on a background with the CIELCh color 27, 55.036, 44.489.



This preview shows how white text looks on a background with the CIELCh color 27, 55.036, 44.489.

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, 55.036, 44.489

Protanopia

28, 31.203, 96.121

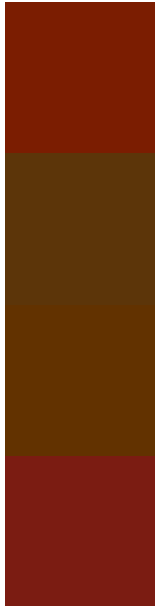
Deuteranopia

28, 37.009, 84.928



Tritanopia
27, 47.781, 31.419

Trichromacy



Original Color
27, 55.036, 44.489

Protanomaly
26, 35.407, 66.899

Deuteranomaly
26, 41.010, 63.432

Tritanomaly
27, 50.582, 37.680

Monochromacy



Original Color
27, 55.036, 44.489

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 19.479, 42.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 55.036, 44.489 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(123, 29, 1)` looks like.

```
.text, #text, p{  
    color:rgb(123, 29, 1)  
}
```

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(123, 29, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 29, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 55.036, 44.489 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(123, 29, 1) }
```

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

```
.border{ border-color:rgb(123, 29, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 29, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 29, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 29, 1);  
box-shadow:4px 4px 4px 4px rgb(123, 29, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 55.036, 44.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 29, 1) }
```

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

```
.background{ background-color: rgb(123, 29,  
1) }
```

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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