

Converting Colors

CIELCh(54, 90.628, 26.847)

Have a look what the booklet for
CIELCh(54, 90.628, 26.847) contains.

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Color

CIELCh(54, 90.436, 26.890)

Conversions

Conversions Part 1

Format	Color
Hex	FF0A40
RGB	255, 10, 64
RGB Percent	100%, 4%, 25%
CMY	0.0000, 0.9592, 0.7474
CMYK	0.00, 0.96, 0.75, 0.00
HSL	347°, 100%, 52%
HSV	347°, 96%, 100%
XYZ	42.5129, 21.9746, 6.9131
YIQ	89.4110, 128.6860, 68.7340

Conversions

Conversions Part 2

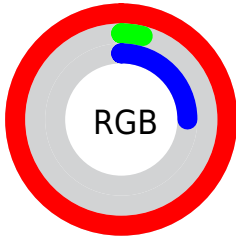
Format	Color
RYB	255, 10, 64
Decimal	16714304
CIELab	54.00, 80.66, 40.90
CIElCh	54, 90.436, 26.890
Yxy	21.9746, 0.5954, 0.3078
Android (android.graphics.Color)	4294904384 (0xFFFF0A40)
YUV	89.4110, -12.5276, 145.2216
Hunter-Lab	46.8770, 79.8472, 24.0703

Details

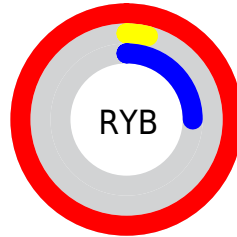
The CIELCh color **54, 90.436, 26.890** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **90, 63.232, 169.176**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.001, 22.111**, and **39, 78.449, 35.045** is the 20% darker color. If you saturate the color by 10%, you get **54, 92.609, 29.049**, and if you desaturate by 10%, it is **55, 84.027, 21.464**.

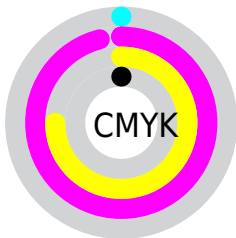
Distribution



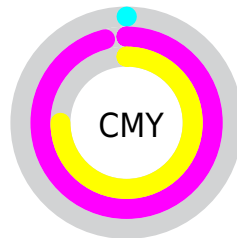
- Red (100%)
- Green (4%)
- Blue (25%)



- Red (100%)
- Yellow (4%)
- Blue (25%)



- Cyan (0%)
- Magenta (96%)
- Yellow (75%)
- Black (0%)



- Cyan (0%)
- Magenta (96%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 90.436, 26.890 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 54, 90.436, 26.890 by changing the saturation by 10% instead.

 54, 90.436, 26.890

 54, 90.436, 26.890

 100, 90.436,
26.890

 44, 90.436, 26.890

 74, 90.436, 26.890

 34, 90.436, 26.890

 84, 90.436, 26.890

 24, 90.436, 26.890

 94, 90.436, 26.890

 14, 90.436, 26.890

 4, 90.436, 26.890

 0, 90.436, 26.890

 54, 90.436, 26.890

 54, 90.436, 26.890

 54, 92.609, 29.049

 55, 84.027, 21.464

 58, 76.583, 16.855

61, 67.805, 13.128

66, 57.932, 10.184

71, 47.390, 7.863

77, 36.608, 6.010

83, 25.925, 4.502

89, 15.562, 3.242

96, 5.643, 2.124

Harmonies

Complementary

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



54, 90.436, 26.890



90, 63.232, 169.176

Rectangle

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



54, 90.436, 26.890



54, 90.436, 76.890



54, 90.436, 206.890



54, 90.436, 256.890

Sweetspot

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



54, 90.228, 26.837



81, 29.192, 4.936



51, 117.405, 319.638



40, 20.191, 5.581



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 90.228, 26.837



54, 92.609, 29.049



58, 94.018, 45.747



50, 5.471, 2.523



40, 73.944, 27.998



10, 31.863, 17.652

Inverse Universe

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



54, 90.228, 26.837



54, 92.609, 29.049



72, 46.179, 248.714



50, 5.471, 2.523



40, 73.944, 27.998



10, 31.863, 17.652

Previews

White Background



This preview shows how the CIELCh color 54, 90.436, 26.890 looks on a white 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

Black Background



This preview shows how the CIELCh color 54, 90.436, 26.890 looks on a black 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

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

CIELCh 54, 90.436, 26.890

Background



This preview shows how black text looks on a background with the CIELCh color 54, 90.436, 26.890.



This preview shows how white text looks on a background with the CIELCh color 54, 90.436, 26.890.

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

54, 90.340, 26.957

Protanopia

54, 19.239, 96.072

Deuteranopia

54, 45.001, 80.563



Tritanopia
54, 99.333, 38.776

Trichromacy



Original Color
54, 90.340, 26.957



Protanomaly
49, 42.511, 26.921



Deuteranomaly
50, 58.245, 40.975



Tritanomaly
54, 96.177, 35.334

Monochromacy



Original Color
54, 90.340, 26.957



Achromatopsia
38, 0.005, 296.813



Achromatomaly
39, 39.909, 10.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 90.436, 26.890 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(255, 10, 64)` looks like.

```
.text, #text, p{  
  color:rgb(255, 10, 64)  
}
```

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(255, 10, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 90.436, 26.890 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(255, 10, 64) }
```

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

```
.border{ border-color:rgb(255, 10, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 90.436, 26.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 64) }
```

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

```
.background{ background-color: rgb(255, 10,  
64) }
```

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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