

Converting Colors

CIELCh(30, 55.677, 10.408)

Have a look what the booklet for
CIELCh(30, 55.677, 10.408) contains.

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Color

CIELCh(30, 55.289, 10.264)

Conversions

Conversions Part 1

Format	Color
Hex	90003A
RGB	144, 0, 58
RGB Percent	56%, 0%, 23%
CMY	0.4353, 0.9999, 0.7725
CMYK	0.00, 1.00, 0.60, 0.44
HSL	336°, 100%, 28%
HSV	336°, 100%, 56%
XYZ	12.2671, 6.2359, 4.5609
YIQ	49.6680, 67.2060, 48.5660

Conversions

Conversions Part 2

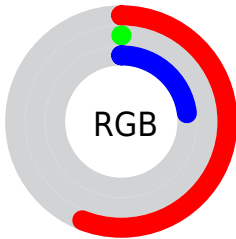
Format	Color
RYB	144, 0, 58
Decimal	9437242
CIELab	30.00, 54.40, 9.85
CIELCh	30, 55.289, 10.264
Yxy	6.2359, 0.5319, 0.2704
Android (android.graphics.Color)	4287627322 (0xFF90003A)
YUV	49.6680, 4.1077, 82.7292
Hunter-Lab	24.9718, 43.9853, 6.6514

Details

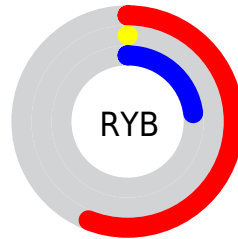
The CIELCh color **30, 55.289, 10.264** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **53, 51.798, 155.111**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 55.213, 9.969**, and **16, 40.669, 25.069** is the 20% darker color. If you saturate the color by 10%, you get **30, 55.292, 10.275**, and if you desaturate by 10%, it is **31, 53.050, 5.970**.

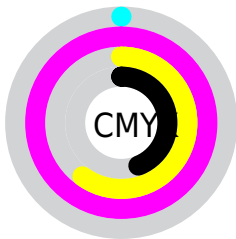
Distribution



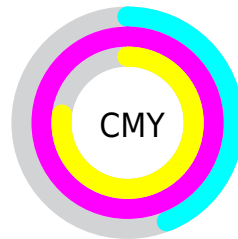
- Red (56%)
- Green (0%)
- Blue (23%)



- Red (56%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (44%)



- Cyan (44%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 55.289, 10.264 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 30, 55.289, 10.264 by changing the saturation by 10% instead.

 30, 55.289, 10.264

 30, 55.289, 10.264

 100, 55.289,
10.264

 20, 55.289, 10.264

 50, 55.289, 10.264

 10, 55.289, 10.264

 60, 55.289, 10.264

 0, 55.289, 10.264

 70, 55.289, 10.264

 80, 55.289, 10.264

 90, 55.289, 10.264

 30, 55.289, 10.264

 30, 55.289, 10.264

 30, 55.292, 10.275

 31, 53.050, 5.970

■ 33, 49.993, 2.268

■ 35, 45.653,
359.331

■ 37, 40.211,
356.994

■ 40, 33.976,
355.107

■ 44, 27.268,
353.549

■ 48, 20.353,
352.233

■ 52, 13.425,
351.095

■ 56, 6.612, 350.079

Harmonies

Complementary

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



30, 55.289, 10.264



53, 51.798, 155.111

Rectangle

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



30, 55.289, 10.264



30, 55.289, 60.264



30, 55.289, 190.264



30, 55.289, 240.264

Sweetspot

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



30, 55.286, 10.266



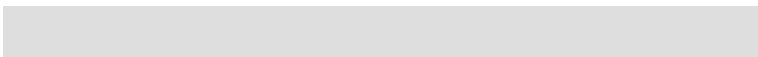
61, 25.125, 352.312



23, 79.941, 314.178



30, 17.318, 352.789



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



30, 55.286, 10.266



40, 66.921, 11.442



30, 66.409, 40.583



28, 3.712, 350.000



28, 52.777, 9.946



1, 2.473, 349.248

Inverse Universe

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



30, 55.286, 10.266



40, 66.921, 11.442



50, 29.617, 210.579



28, 3.712, 350.000



28, 52.777, 9.946



1, 2.473, 349.248

Previews

White Background



This preview shows how the CIE LCh color 30, 55.289, 10.264 looks on a white background.

Color Contrast Check

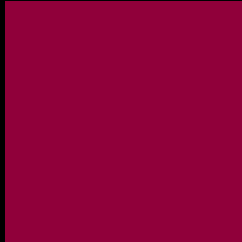
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 55.289, 10.264 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 30, 55.289, 10.264

Background



This preview shows how black text looks on a background with the CIELCh color 30, 55.289, 10.264.



This preview shows how white text looks on a background with the CIELCh color 30, 55.289, 10.264.

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

30, 55.289, 10.264

Protanopia

31, 7.639, 288.482

Deuteranopia

31, 14.760, 73.539



Tritanopia
31, 58.740, 34.962

Trichromacy



Original Color
30, 55.289, 10.264

Protanomaly
27, 28.362, 345.519

Deuteranomaly
28, 30.127, 15.776

Tritanomaly
30, 56.427, 26.578

Monochromacy



Original Color
30, 55.289, 10.264

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 26.736, 356.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 55.289, 10.264 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(144, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(144, 0, 58)  
}
```

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(144, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 0, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 55.289, 10.264 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(144, 0, 58) }
```

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

```
.border{ border-color:rgb(144, 0, 58) }
```

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

Here you see how a box with a 4 pixel rgb(144, 0, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(144, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 55.289, 10.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 0, 58) }
```

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

```
.background{ background-color: rgb(144, 0,  
58) }
```

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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