

Converting Colors

CIELCh(30, 50.289, 356.165)

Have a look what the booklet for
CIELCh(30, 50.289, 356.165)
contains.

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Color

CIELCh(30, 50.231, 356.276)

Conversions

Conversions Part 1

Format	Color
Hex	87144D
RGB	135, 20, 77
RGB Percent	53%, 8%, 30%
CMY	0.4693, 0.9197, 0.6969
CMYK	0.00, 0.85, 0.43, 0.47
HSL	330°, 74%, 31%
HSV	330°, 85%, 53%
XYZ	11.6543, 6.2359, 7.6627
YIQ	60.8830, 50.2430, 42.1070

Conversions

Conversions Part 2

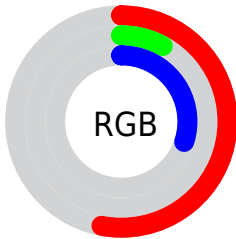
Format	Color
R_{YB}	135, 20, 77
Decimal	8852557
CIE Lab	30.00, 50.12, -3.26
CIE LCh	30, 50.231, 356.276
Yxy	6.2359, 0.4561, 0.2440
Android (android.graphics.Color)	4287042637 (0xFF87144D)
YUV	60.8830, 7.9457, 65.0006
Hunter-Lab	24.9718, 39.6053, -0.7131

Details

The CIELCh color **30, 50.231, 356.276** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **50, 49.128, 153.147**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 50.098, 356.098**, and **14, 36.416, 5.628** is the 20% darker color. If you saturate the color by 10%, you get **29, 52.137, 359.555**, and if you desaturate by 10%, it is **32, 46.941, 353.649**.

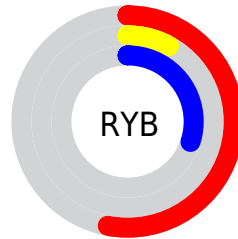
Distribution



Red (53%)

Green (8%)

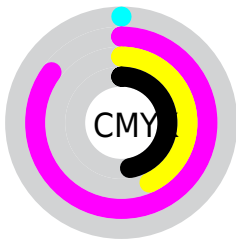
Blue (30%)



Red (53%)

Yellow (8%)

Blue (30%)

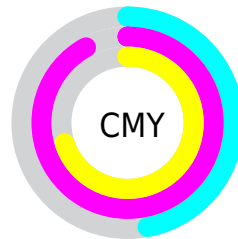


Cyan (0%)

Magenta (85%)

Yellow (43%)

Black (47%)



Cyan (47%)


Magenta (92%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 50.231, 356.276 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, 50.231, 356.276 by changing the saturation by 10% instead.


 30, 50.231,
356.276


 30, 50.231,
356.276

 100, 50.231,
356.276


 20, 50.231,
356.276


 50, 50.231,
356.276


 10, 50.231,
356.276

 60, 50.231,
356.276

 0, 50.231, 356.276

 70, 50.231,
356.276

 80, 50.231,
356.276

 90, 50.231,
356.276

■ 30, 50.231,
356.276

■ 30, 50.231,
356.276

■ 29, 52.137,
359.555

■ 32, 46.941,
353.649

■ 28, 52.994, 1.314

■ 34, 42.347,
351.546

■ 37, 36.729,
349.832

■ 40, 30.418,
348.401

■ 43, 23.713,
347.179

■ 47, 16.846,
346.109

■ 51, 9.984, 345.152

■ 55, 3.232, 344.238

Harmonies

Complementary

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



30, 50.231, 356.276



50, 49.128, 153.147

Rectangle

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



30, 50.231, 356.276



30, 50.231, 46.276



30, 50.231, 176.276



30, 50.231, 226.276

Sweetspot

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



30, 50.228, 356.277



60, 20.993, 346.179



23, 70.593, 312.558



30, 14.459, 346.494



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



30, 50.228, 356.277



38, 64.122, 2.350



29, 56.487, 34.683



27, 3.819, 344.638



28, 52.224, 1.224



0, 1.753, 343.942

Inverse Universe

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



30, 50.228, 356.277



38, 64.122, 2.350



51, 30.090, 196.497



27, 3.819, 344.638



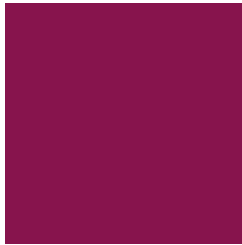
28, 52.224, 1.224



0, 1.753, 343.942

Previews

White Background



This preview shows how the CIE LCh color 30, 50.231, 356.276 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, 50.231, 356.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

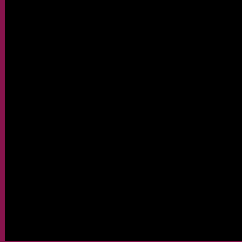
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 50.231, 356.276

Background



This preview shows how black text looks on a background with the CIELCh color 30, 50.231, 356.276.



This preview shows how white text looks on a background with the CIELCh color 30, 50.231, 356.276.

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, 50.231, 356.276

Protanopia

31, 23.725, 285.293

Deuteranopia

31, 4.642, 4.272



Tritanopia
30, 47.996, 30.173

Trichromacy



Original Color
30, 50.231, 356.276

Protanomaly
28, 31.064, 319.801

Deuteranomaly
29, 24.877, 350.856

Tritanomaly
30, 46.794, 17.631

Monochromacy



Original Color
30, 50.231, 356.276

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 22.763, 348.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 50.231, 356.276 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(135, 20, 77)` looks like.

```
.text, #text, p{  
    color:rgb(135, 20, 77)  
}
```

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(135, 20, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 20, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 50.231, 356.276 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(135, 20, 77) }
```

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

```
.border{ border-color:rgb(135, 20, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 20, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 20, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 20, 77);  
box-shadow:4px 4px 4px 4px rgb(135, 20,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 50.231, 356.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 20, 77) }
```

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

```
.background{ background-color: rgb(135, 20,  
77) }
```

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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