

Converting Colors

CIELCh(30, 29.844, 10.022)

Have a look what the booklet for
CIELCh(30, 29.844, 10.022) contains.

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Color

CIELCh(30, 30.160, 9.543)

Conversions

Conversions Part 1

Format	Color
Hex	723240
RGB	114, 50, 64
RGB Percent	45%, 20%, 25%
CMY	0.5528, 0.8037, 0.7489
CMYK	0.00, 0.56, 0.44, 0.55
HSL	347°, 39%, 32%
HSV	347°, 56%, 45%
XYZ	9.0144, 6.2359, 5.5849
YIQ	70.7320, 33.6500, 17.9220

Conversions

Conversions Part 2

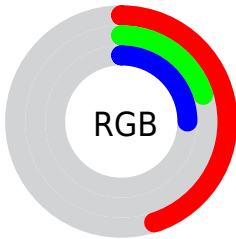
Format	Color
RYB	114, 50, 64
Decimal	7483968
CIELab	30.00, 29.74, 5.00
CIElCh	30, 30.160, 9.543
Yxy	6.2359, 0.4327, 0.2993
Android (android.graphics.Color)	4285674048 (0xFF723240)
YUV	70.7320, -3.3189, 37.9460
Hunter-Lab	24.9718, 20.7351, 4.2202

Details

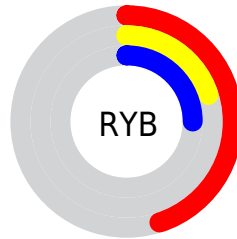
The CIELCh color **30, 30.160, 9.543** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **44, 24.265, 176.330**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 29.874, 9.159**, and **10, 29.828, 9.441** is the 20% darker color. If you saturate the color by 10%, you get **28, 35.437, 12.091**, and if you desaturate by 10%, it is **33, 24.626, 7.504**.

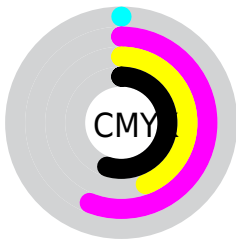
Distribution



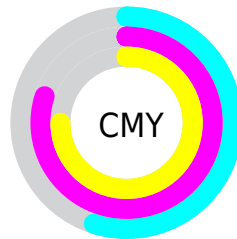
- Red (45%)
- Green (20%)
- Blue (25%)



- Red (45%)
- Yellow (20%)
- Blue (25%)



- Cyan (0%)
- Magenta (56%)
- Yellow (44%)
- Black (55%)




- Cyan (55%)
- Magenta (80%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 30.160, 9.543 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, 30.160, 9.543 by changing the saturation by 10% instead.

 30, 30.160, 9.543  30, 30.160, 9.543

 100, 30.160, 9.543  20, 30.160, 9.543

 50, 30.160, 9.543  10, 30.160, 9.543

 60, 30.160, 9.543  0, 30.160, 9.543


 70, 30.160, 9.543

 80, 30.160, 9.543

 90, 30.160, 9.543

 30, 30.160, 9.543  30, 30.160, 9.543

 28, 35.437, 12.091  33, 24.626, 7.504

 25, 40.260, 15.277  36, 19.028, 5.846

■ 24, 44.470, 19.217

■ 39, 13.507, 4.473

■ 23, 48.173, 23.741

■ 42, 8.155, 3.311

■ 22, 49.700, 25.354

■ 46, 3.023, 2.263

■ 49, 1.865, 181.705

■ 53, 6.509, 180.832

■ 57, 10.917,
180.149

■ 60, 15.104,
179.547

Harmonies

Complementary

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



30, 30.160, 9.543



44, 24.265, 176.330

Rectangle

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



30, 30.160, 9.543



30, 30.160, 59.543



30, 30.160, 189.543



30, 30.160, 239.543

Sweetspot

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



30, 30.158, 9.545



54, 10.675, 3.455



30, 43.430, 319.993



27, 7.117, 3.615



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



30, 30.158, 9.545



36, 44.329, 12.853



34, 26.359, 45.890



22, 2.760, 2.564



24, 51.615, 25.688



52, 90.548, 29.116

Inverse Universe

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



30, 30.158, 9.545



36, 44.329, 12.853



39, 18.066, 233.651



22, 2.760, 2.564



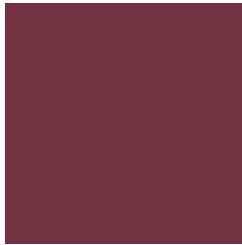
24, 51.615, 25.688



52, 90.548, 29.116

Previews

White Background



This preview shows how the CIELCh color 30, 30.160, 9.543 looks on a white background.

Color Contrast Check

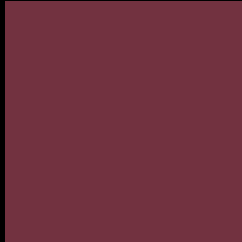
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.160, 9.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

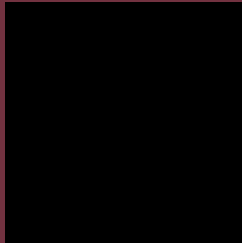
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 30.160, 9.543

Background



This preview shows how black text looks on a background with the CIELCh color 30, 30.160, 9.543.



This preview shows how white text looks on a background with the CIELCh color 30, 30.160, 9.543.

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, 30.160, 9.543

Protanopia

30, 3.234, 298.403

Deuteranopia

30, 8.004, 59.350



Tritanopia
30, 29.336, 21.850

Trichromacy



Original Color
30, 30.160, 9.543

Protanomaly
30, 12.156, 353.553

Deuteranomaly
30, 15.151, 22.107

Tritanomaly
30, 29.442, 17.304

Monochromacy



Original Color
30, 30.160, 9.543

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 11.393, 5.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 30.160, 9.543 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(114, 50, 64)` looks like.

```
.text, #text, p{  
    color:rgb(114, 50, 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(114, 50, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 50, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 30.160, 9.543 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(114, 50, 64) }
```

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

```
.border{ border-color:rgb(114, 50, 64) }
```

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

Here you see how a box with a 4 pixel rgb(114, 50, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 50, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 50, 64);  
box-shadow:4px 4px 4px 4px rgb(114, 50,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 30.160, 9.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 50, 64) }
```

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

```
.background{ background-color: rgb(114, 50,  
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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