

Converting Colors

CIELCh(30, 13.235, 357.133)

Have a look what the booklet for
CIELCh(30, 13.235, 357.133)
contains.

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Color

CIELCh(30, 13.369, 356.640)

Conversions

Conversions Part 1

Format	Color
Hex	5A3F48
RGB	90, 63, 72
RGB Percent	35%, 25%, 28%
CMY	0.6461, 0.7521, 0.7168
CMYK	0.00, 0.30, 0.20, 0.65
HSL	340°, 18%, 30%
HSV	340°, 30%, 35%
XYZ	7.2063, 6.2359, 6.9931
YIQ	72.0990, 13.2030, 8.5230

Conversions

Conversions Part 2

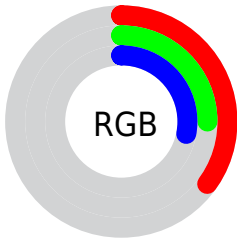
Format	Color
R_{YB}	90, 63, 72
Decimal	5914440
CIE Lab	30.00, 13.35, -0.78
CIE LCh	30, 13.369, 356.640
Yxy	6.2359, 0.3526, 0.3052
Android (android.graphics.Color)	4284104520 (0xFF5A3F48)
YUV	72.0990, -0.0488, 15.6992
Hunter-Lab	24.9718, 7.8102, 0.8767

Details

The CIELCh color $30, 13.369, 356.640$ is a dark color, and the websafe version is hex 663333 . A complement of this color would be $36, 12.443, 171.003$, and the grayscale version is $31, 0.005, 296.813$.

A 20% lighter version of the original color is $50, 13.372, 358.059$, and $10, 13.288, 354.943$ is the 20% darker color. If you saturate the color by 10%, you get $27, 17.999, 357.954$, and if you desaturate by 10%, it is $33, 8.781, 355.511$.

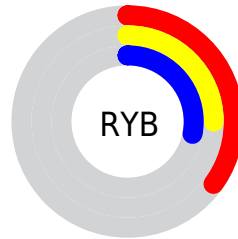
Distribution



Red (35%)

Green (25%)

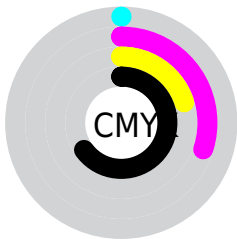
Blue (28%)



Red (35%)

Yellow (25%)

Blue (28%)

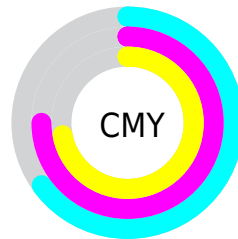


Cyan (0%)

Magenta (30%)

Yellow (20%)

Black (65%)



Cyan (65%)


Magenta (75%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 13.369, 356.640 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, 13.369, 356.640 by changing the saturation by 10% instead.


 30, 13.369,
356.640


 30, 13.369,
356.640

 100, 13.369,
356.640


 20, 13.369,
356.640


 50, 13.369,
356.640


 10, 13.369,
356.640

 60, 13.369,
356.640

 0, 13.369, 356.640

 70, 13.369,
356.640

 80, 13.369,
356.640

 90, 13.369,
356.640

■ 30, 13.369,
356.640

■ 30, 13.369,
356.640

■ 27, 17.999,
357.954

■ 33, 8.781, 355.511

■ 25, 22.574,
359.507

■ 36, 4.305, 354.502

■ 38, 0.025, 184.308

■ 23, 26.949, 1.383

■ 41, 4.190, 172.987

■ 21, 30.950, 3.689

■ 44, 8.187, 172.257

■ 19, 34.391, 6.557

■ 47, 12.019,
171.610

■ 18, 37.146, 10.119

■ 50, 15.694,
171.022

■ 17, 39.885, 13.672

■ 17, 39.904, 13.693

■ 53, 19.224,
170.482

■ 56, 22.619,
169.984

Harmonies

Complementary

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



30, 13.369, 356.640



36, 12.443, 171.003

Rectangle

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



30, 13.369, 356.640



30, 13.369, 46.640



30, 13.369, 176.640



30, 13.369, 226.640

Sweetspot

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



30, 13.368, 356.643



46, 4.835, 354.439



30, 18.871, 315.851



23, 3.332, 354.534



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



30, 13.368, 356.643



37, 20.099, 357.568



31, 11.040, 35.871



17, 2.458, 354.396



22, 45.932, 15.147



50, 82.162, 19.039

Inverse Universe

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



30, 13.368, 356.643



37, 20.099, 357.568



35, 9.105, 216.413



17, 2.458, 354.396



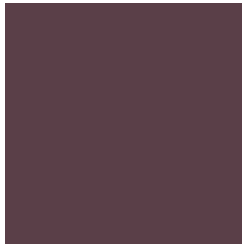
22, 45.932, 15.147



50, 82.162, 19.039

Previews

White Background



This preview shows how the CIE LCh color 30, 13.369, 356.640 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 30, 13.369, 356.640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

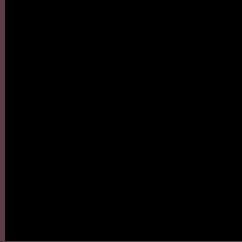
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 13.369, 356.640

Background



This preview shows how black text looks on a background with the CIELCh color 30, 13.369, 356.640.

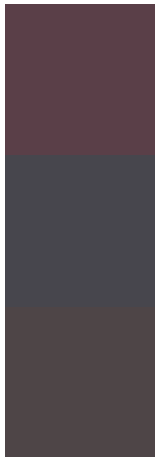


This preview shows how white text looks on a background with the CIELCh color 30, 13.369, 356.640.

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, 13.369, 356.640

Protanopia

30, 4.514, 296.425

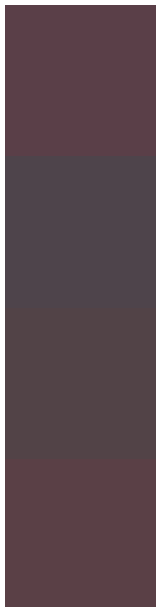
Deuteranopia

30, 4.220, 2.505



Tritanopia
30, 12.260, 6.700

Trichromacy



Original Color
30, 13.369, 356.640

Protanomaly
30, 6.284, 335.054

Deuteranomaly
30, 7.200, 359.951

Tritanomaly
30, 12.380, 3.823

Monochromacy



Original Color
30, 13.369, 356.640

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 4.851, 357.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 13.369, 356.640 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(90, 63, 72)` looks like.

```
.text, #text, p{  
    color:rgb(90, 63, 72)  
}
```

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(90, 63, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 63, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 13.369, 356.640 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(90, 63, 72) }
```

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

```
.border{ border-color:rgb(90, 63, 72) }
```

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

Here you see how a box with a 4 pixel rgb(90, 63, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 63, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 63, 72);  
box-shadow:4px 4px 4px 4px rgb(90, 63, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 13.369, 356.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 63, 72) }
```

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

```
.background{ background-color: rgb(90, 63,  
72) }
```

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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