

Converting Colors

CIELCh(18, 32.368, 55.619)

Have a look what the booklet for
CIELCh(18, 32.368, 55.619) contains.

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Color

CIELCh(18, 32.368, 55.619)

Conversions

Conversions Part 1

Format	Color
Hex	4B2000
RGB	75, 32, 0
RGB Percent	29%, 13%, 0%
CMY	0.7064, 0.8749, 1.0000
CMYK	0.00, 0.57, 1.00, 0.71
HSL	26°, 100%, 15%
HSV	26°, 100%, 29%
XYZ	3.4051, 2.5180, 0.3021
YIQ	41.2090, 35.9000, -0.8360

Conversions

Conversions Part 2

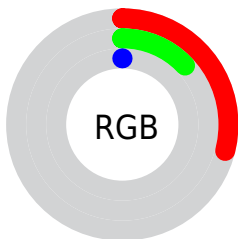
Format	Color
RYB	75, 56, 0
Decimal	4923392
CIELab	18.00, 18.28, 26.71
CIELCh	18, 32.368, 55.619
Yxy	2.5180, 0.5470, 0.4045
Android (android.graphics.Color)	4283113472 (0xFF4B2000)
YUV	41.2090, -20.3160, 29.6347
Hunter-Lab	15.8683, 10.5342, 9.9791

Details

The CIELCh color **18, 32.368, 55.619** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **17, 23.626, 270.368**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 32.406, 55.305**, and **2, 7.329, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 32.321, 55.551**, and if you desaturate by 10%, it is **19, 29.617, 57.384**.

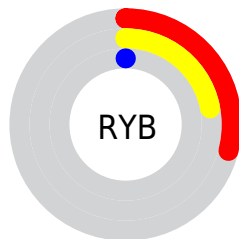
Distribution



Red (29%)

Green (13%)

Blue (0%)



Red (29%)

Yellow (22%)

Blue (0%)

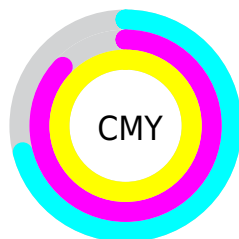


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (71%)



Cyan (71%)

Magenta (87%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 32.368, 55.619 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 18, 32.368, 55.619 by changing the saturation by 10% instead.

 18, 32.368, 55.619

 18, 32.368, 55.619

 100, 32.368,
55.619

 8, 32.368, 55.619

 38, 32.368, 55.619

 0, 32.368, 55.619

 48, 32.368, 55.619

 58, 32.368, 55.619

 68, 32.368, 55.619

 78, 32.368, 55.619

 88, 32.368, 55.619

 98, 32.368, 55.619

■ 18, 32.368, 55.619

■ 18, 32.368, 55.619

■ 18, 32.321, 55.551

■ 19, 29.617, 57.384

■ 20, 26.693, 59.362

■ 22, 22.966, 60.393

■ 23, 19.221, 61.298

■ 24, 15.603, 62.204

■ 26, 12.147, 63.128

■ 27, 8.865, 64.070

■ 29, 5.753, 65.023

■ 30, 2.801, 65.958

Harmonies

Complementary

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



18, 32.368, 55.619



17, 23.626, 270.368

Rectangle

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



18, 32.368, 55.619



18, 32.368, 105.619



18, 32.368, 235.619



18, 32.368, 285.619

Sweetspot

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



18, 32.321, 55.551



35, 11.008, 63.964



14, 36.420, 350.993



16, 7.450, 63.772



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



18, 32.321, 55.551



24, 41.440, 56.329



29, 37.771, 97.812



14, 1.585, 66.074



26, 43.392, 56.379



57, 81.857, 54.355

Inverse Universe

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



17, 23.626, 270.368



22, 29.025, 272.397



6, 49.175, 302.805



14, 1.544, 247.997



24, 30.243, 272.747



54, 58.061, 276.529

Previews

White Background



This preview shows how the CIELCh color 18, 32.368, 55.619 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 18, 32.368, 55.619 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 18, 32.368, 55.619

Background



This preview shows how black text looks on a background with the CIELCh color 18, 32.368, 55.619.



This preview shows how white text looks on a background with the CIELCh color 18, 32.368, 55.619.

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

18, 32.368, 55.619

Protanopia

18, 23.495, 96.234

Deuteranopia

18, 26.447, 86.473



Tritanopia
18, 23.905, 23.032

Trichromacy



Original Color
18, 32.368, 55.619

Protanomaly
18, 24.904, 77.110

Deuteranomaly
18, 27.572, 72.795

Tritanomaly
18, 26.901, 40.779

Monochromacy



Original Color
18, 32.368, 55.619

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 11.867, 64.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 32.368, 55.619 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(75, 32, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 32, 0)  
}
```

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(75, 32, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 32, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 32.368, 55.619 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(75, 32, 0) }
```

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

```
.border{ border-color:rgb(75, 32, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 32, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 32, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(75, 32, 0); box-shadow:4px  
4px 4px 4px rgb(75, 32, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 32.368, 55.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 32, 0) }
```

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

```
.background{ background-color: rgb(75, 32,  
0) }
```

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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