

Converting Colors

CIELCh(32, 36.699, 116.313)

Have a look what the booklet for
CIELCh(32, 36.699, 116.313)
contains.

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Color

CIELCh(32, 36.488, 116.555)

Conversions

Conversions Part 1

Format	Color
Hex	415113
RGB	65, 81, 19
RGB Percent	25%, 32%, 7%
CMY	0.7445, 0.6817, 0.9248
CMYK	0.20, 0.00, 0.76, 0.68
HSL	75°, 62%, 20%
HSV	75°, 76%, 32%
XYZ	5.2637, 7.0852, 1.7136
YIQ	69.1480, 10.3660, -22.6740

Conversions

Conversions Part 2

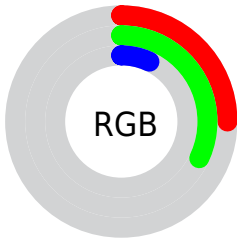
Format	Color
R_{YB}	19, 81, 35
Decimal	4280595
CIE _{Lab}	32.00, -16.31, 32.64
CIE _{LCh}	32, 36.488, 116.555
Yxy	7.0852, 0.3743, 0.5038
Android (android.graphics.Color)	4282470675 (0xFF415113)
YUV	69.1480, -24.7230, -3.6378
Hunter-Lab	26.6180, -11.2832, 14.8157

Details

The CIELCh color **32, 36.488, 116.555** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12, 43.637, 306.411**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 36.383, 116.322**, and **12, 22.837, 130.246** is the 20% darker color. If you saturate the color by 10%, you get **32, 39.732, 116.579**, and if you desaturate by 10%, it is **32, 32.581, 116.771**.

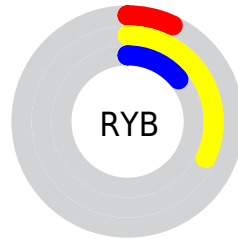
Distribution



Red (25%)

Green (32%)

Blue (7%)



Red (7%)

Yellow (32%)

Blue (14%)

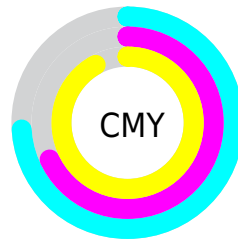


Cyan (20%)

Magenta (0%)

Yellow (76%)

Black (68%)



Cyan (74%)


Magenta (68%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 36.488, 116.555 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 32, 36.488, 116.555 by changing the saturation by 10% instead.


 32, 36.488,
116.555


 32, 36.488,
116.555

 100, 36.488,
116.555


 22, 36.488,
116.555

 52, 36.488,
116.555


 12, 36.488,
116.555


 62, 36.488,
116.555

 2, 36.488, 116.555

 72, 36.488,
116.555

 0, 36.488, 116.555

 82, 36.488,
116.555

 92, 36.488,
116.555

■ 32, 36.488,
116.555

■ 32, 36.488,
116.555

■ 32, 39.732,
116.579

■ 32, 32.581,
116.771

■ 32, 42.597,
116.697

■ 33, 28.199,
117.148

■ 32, 43.718,
116.682

■ 33, 23.498,
117.627

■ 33, 18.589,
118.165

■ 33, 13.551,
118.731

■ 34, 8.439, 119.303

■ 34, 3.290, 119.870

■ 35, 1.869, 300.402

Harmonies

Complementary

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



32, 36.488, 116.555



12, 43.637, 306.411

Rectangle

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



32, 36.488, 116.555



32, 36.488, 166.555



32, 36.488, 296.555



32, 36.488, 346.555

Sweetspot

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



32, 36.488, 116.557



43, 14.576, 118.880



20, 28.907, 44.905



22, 10.162, 118.752



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



32, 36.488, 116.557



41, 49.945, 116.849



30, 41.683, 133.591



16, 2.893, 119.738



41, 52.233, 117.105



85, 94.114, 117.982

Inverse Universe

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



12, 43.637, 306.411



13, 62.988, 307.654



17, 42.947, 319.788



15, 2.942, 300.715



11, 67.470, 308.277



31, 121.940, 307.706

Previews

White Background



This preview shows how the CIELCh color 32, 36.488, 116.555 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 32, 36.488, 116.555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

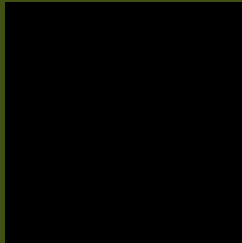
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 36.488, 116.555

Background



This preview shows how black text looks on a background with the CIELCh color 32, 36.488, 116.555.



This preview shows how white text looks on a background with the CIELCh color 32, 36.488, 116.555.

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

32, 36.488, 116.555

Protanopia

32, 33.715, 95.140

Deuteranopia

32, 31.259, 82.036



Tritanopia
32, 4.115, 266.957

Trichromacy



Original Color
32, 36.488, 116.555

Protanomaly
32, 34.149, 103.120

Deuteranomaly
32, 31.810, 95.927

Tritanomaly
32, 12.483, 125.187

Monochromacy



Original Color
32, 36.488, 116.555

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 14.091, 117.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 36.488, 116.555 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(65, 81, 19)` looks like.

```
.text, #text, p{  
    color:rgb(65, 81, 19)  
}
```

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(65, 81, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 81, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 36.488, 116.555 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(65, 81, 19) }
```

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

```
.border{ border-color:rgb(65, 81, 19) }
```

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

Here you see how a box with a 4 pixel rgb(65, 81, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 81, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 81, 19);  
box-shadow:4px 4px 4px 4px rgb(65, 81, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 36.488, 116.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 81, 19) }
```

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

```
.background{ background-color: rgb(65, 81,  
19) }
```

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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