

Converting Colors

CIELCh(32, 40.402, 115.550)

Have a look what the booklet for
CIELCh(32, 40.402, 115.550)
contains.

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Color

CIELCh(32, 40.680, 116.090)

Conversions

Conversions Part 1

Format	Color
Hex	405209
RGB	64, 82, 9
RGB Percent	25%, 32%, 4%
CMY	0.7503, 0.6797, 0.9662
CMYK	0.22, 0.00, 0.89, 0.68
HSL	75°, 81%, 18%
HSV	75°, 89%, 32%
XYZ	5.1340, 7.0852, 1.3442
YIQ	68.2960, 12.7050, -26.5190

Conversions

Conversions Part 2

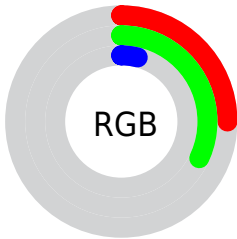
Format	Color
RYB	9, 82, 27
Decimal	4215305
CIELab	32.00, -17.89, 36.53
CIElCh	32, 40.680, 116.090
Yxy	7.0852, 0.3785, 0.5224
Android (android.graphics.Color)	4282405385 (0xFF405209)
YUV	68.2960, -29.2329, -3.7676
Hunter-Lab	26.6180, -12.1528, 15.6384

Details

The CIELCh color **32, 40.680, 116.090** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9, 50.765, 307.202**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 40.512, 116.111**, and **12, 24.302, 133.257** is the 20% darker color. If you saturate the color by 10%, you get **32, 43.621, 116.135**, and if you desaturate by 10%, it is **32, 37.669, 116.003**.

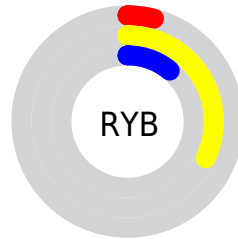
Distribution



Red (25%)

Green (32%)

Blue (4%)



Red (4%)

Yellow (32%)

Blue (11%)

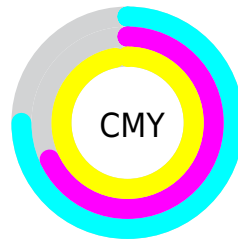


Cyan (22%)

Magenta (0%)

Yellow (89%)

Black (68%)



Cyan (75%)


Magenta (68%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 40.680, 116.090 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, 40.680, 116.090 by changing the saturation by 10% instead.


 32, 40.680,
116.090


 32, 40.680,
116.090

 100, 40.680,
116.090


 22, 40.680,
116.090

 52, 40.680,
116.090


 12, 40.680,
116.090


 62, 40.680,
116.090

 2, 40.680, 116.090

 72, 40.680,
116.090

 0, 40.680, 116.090

 82, 40.680,
116.090

 92, 40.680,
116.090

■ 32, 40.680,
116.090

■ 32, 40.680,
116.090

■ 32, 43.621,
116.135

■ 32, 37.669,
116.003

■ 32, 43.792,
116.130

■ 32, 33.943,
116.166

■ 33, 29.682,
116.512

■ 33, 25.053,
116.976

■ 33, 20.184,
117.510

■ 34, 15.163,
118.081

■ 34, 10.051,
118.664

■ 34, 4.892, 119.245

Harmonies

Complementary

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



32, 40.680, 116.090



9, 50.765, 307.202

Rectangle

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



32, 40.680, 116.090



32, 40.680, 166.090



32, 40.680, 296.090



32, 40.680, 346.090

Sweetspot

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



32, 40.680, 116.092



44, 17.396, 118.167



18, 34.478, 42.921



22, 11.576, 118.066



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, 40.680, 116.092



42, 52.983, 116.563



30, 46.568, 133.021



16, 2.888, 119.287



41, 52.079, 116.528



85, 93.806, 117.378

Inverse Universe

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



9, 50.765, 307.202



11, 68.777, 308.114



15, 48.092, 319.199



15, 2.938, 300.286



11, 67.594, 308.139



31, 122.148, 307.586

Previews

White Background



This preview shows how the CIELCh color 32, 40.680, 116.090 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, 40.680, 116.090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

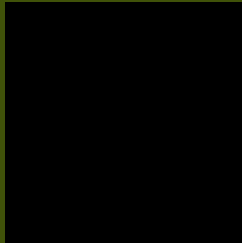
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 40.680, 116.090

Background



This preview shows how black text looks on a background with the CIELCh color 32, 40.680, 116.090.



This preview shows how white text looks on a background with the CIELCh color 32, 40.680, 116.090.

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

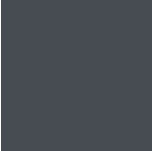
32, 40.680, 116.090

Protanopia

32, 38.150, 95.316

Deuteranopia

32, 34.639, 82.618



Tritanopia
32, 4.289, 261.879

Trichromacy



Original Color
32, 40.680, 116.090

Protanomaly
32, 38.183, 103.284

Deuteranomaly
32, 35.265, 96.071

Tritanomaly
32, 15.138, 125.463

Monochromacy



Original Color
32, 40.680, 116.090

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 17.306, 118.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 40.680, 116.090 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(64, 82, 9)` looks like.

```
.text, #text, p{  
    color:rgb(64, 82, 9)  
}
```

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(64, 82, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 82, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 40.680, 116.090 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(64, 82, 9) }
```

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

```
.border{ border-color:rgb(64, 82, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 82, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 82, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 82, 9); box-shadow:4px  
4px 4px 4px rgb(64, 82, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 40.680, 116.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 82, 9) }
```

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

```
.background{ background-color: rgb(64, 82,  
9) }
```

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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