

Converting Colors

CIELCh(32, 12.363, 213.994)

Have a look what the booklet for
CIELCh(32, 12.363, 213.994)
contains.

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Color

CIELCh(32, 12.306, 216.010)

Conversions

Conversions Part 1

Format	Color
Hex	305056
RGB	48, 80, 86
RGB Percent	19%, 31%, 34%
CMY	0.8108, 0.6853, 0.6617
CMYK	0.44, 0.07, 0.00, 0.66
HSL	189°, 28%, 26%
HSV	189°, 44%, 34%
XYZ	5.8082, 7.0852, 9.9199
YIQ	71.1160, -20.9980, -4.9180

Conversions

Conversions Part 2

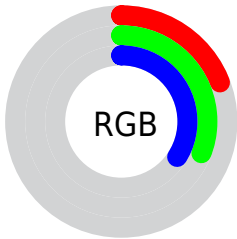
Format	Color
R_{YB}	48, 65, 86
Decimal	3166294
CIE _{Lab}	32.00, -9.95, -7.24
CIE _{LCh}	32, 12.306, 216.010
Yxy	7.0852, 0.2546, 0.3106
Android (android.graphics.Color)	4281356374 (0xFF305056)
YUV	71.1160, 7.3378, -20.2727
Hunter-Lab	26.6180, -7.6315, -3.4633

Details

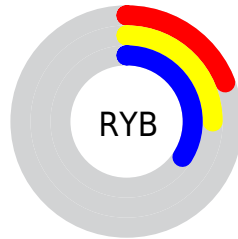
The CIELCh color **32, 12.306, 216.010** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **26, 16.605, 35.619**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 12.439, 217.512**, and **12, 12.142, 218.238** is the 20% darker color. If you saturate the color by 10%, you get **31, 14.416, 216.751**, and if you desaturate by 10%, it is **33, 9.896, 215.476**.

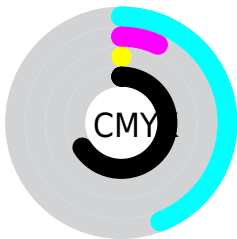
Distribution



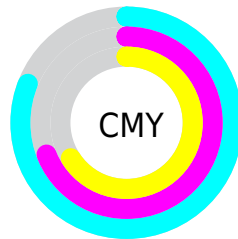
- Red (19%)
- Green (31%)
- Blue (34%)



- Red (19%)
- Yellow (25%)
- Blue (34%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)
- Black (66%)





- Cyan (81%)
- Magenta (69%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 12.306, 216.010 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, 12.306, 216.010 by changing the saturation by 10% instead.


 32, 12.306,
216.010


 32, 12.306,
216.010

 100, 12.306,
216.010


 22, 12.306,
216.010

 52, 12.306,
216.010


 12, 12.306,
216.010


 62, 12.306,
216.010

 2, 12.306, 216.010

 72, 12.306,
216.010

 0, 12.306, 216.010

 82, 12.306,
216.010

 92, 12.306,
216.010

■ 32, 12.306,
216.010

■ 32, 12.306,
216.010

■ 31, 14.416,
216.751

■ 33, 9.896, 215.476

■ 30, 16.188,
217.751

■ 34, 7.228, 215.121

■ 30, 17.597,
219.058

■ 35, 4.344, 214.921

■ 29, 18.631,
220.724

■ 37, 1.915, 34.549

■ 28, 19.367,
222.703

■ 39, 5.220, 34.688

■ 28, 19.807,
223.830

■ 40, 8.606, 34.803

■ 41, 12.048, 34.947

■ 43, 15.529, 35.117

Harmonies

Complementary

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



32, 12.306, 216.010



26, 16.605, 35.619

Rectangle

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



32, 12.306, 216.010



32, 12.306, 266.010



32, 12.306, 36.010



32, 12.306, 86.010

Sweetspot

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



32, 12.306, 216.007



45, 4.998, 214.914



33, 25.964, 145.581



22, 3.446, 214.932



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



32, 12.306, 216.007



41, 17.495, 216.813



26, 16.676, 276.647



17, 1.759, 214.887



35, 23.019, 224.712



74, 40.879, 226.898

Inverse Universe

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



26, 25.827, 331.613



32, 37.942, 332.252



32, 16.948, 84.453



16, 3.304, 329.553



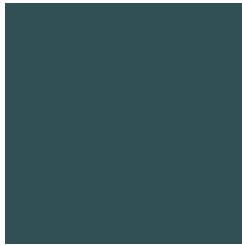
23, 54.272, 335.276



54, 95.734, 335.836

Previews

White Background



This preview shows how the CIE LCh color 32, 12.306, 216.010 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, 12.306, 216.010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

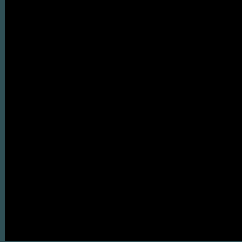
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 12.306, 216.010

Background



This preview shows how black text looks on a background with the CIELCh color 32, 12.306, 216.010.



This preview shows how white text looks on a background with the CIELCh color 32, 12.306, 216.010.

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, 12.306, 216.010

Protanopia

32, 5.080, 286.378

Deuteranopia

32, 9.632, 299.163



Tritanopia
32, 12.420, 218.996

Trichromacy



Original Color
32, 12.306, 216.010

Protanomaly
32, 6.462, 242.446

Deuteranomaly
32, 7.919, 261.242

Tritanomaly
32, 12.420, 218.996

Monochromacy



Original Color
32, 12.306, 216.010

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 4.907, 221.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 12.306, 216.010 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(48, 80, 86)` looks like.

```
.text, #text, p{  
    color:rgb(48, 80, 86)  
}
```

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(48, 80, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 80, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 12.306, 216.010 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(48, 80, 86) }
```

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

```
.border{ border-color:rgb(48, 80, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 80, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 80, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 80, 86);  
box-shadow:4px 4px 4px 4px rgb(48, 80, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 12.306, 216.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 80, 86) }
```

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

```
.background{ background-color: rgb(48, 80,  
86) }
```

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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