

Converting Colors

CIELCh(32, 89.543, 302.194)

Have a look what the booklet for
CIELCh(32, 89.543, 302.194)
contains.

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Color

CIELCh(32, 89.216, 302.104)

Conversions

Conversions Part 1

Format	Color
Hex	2E34C6
RGB	46, 52, 198
RGB Percent	18%, 20%, 78%
CMY	0.8207, 0.7967, 0.2243
CMYK	0.77, 0.74, 0.00, 0.22
HSL	238°, 62%, 48%
HSV	238°, 77%, 78%
XYZ	12.5062, 7.0852, 54.0228
YIQ	66.8500, -50.4420, 44.1340

Conversions

Conversions Part 2

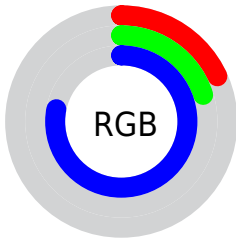
Format	Color
R _Y B	46, 52, 198
Decimal	3028166
CIE Lab	32.00, 47.41, -75.57
CIE LCh	32, 89.216, 302.104
Yxy	7.0852, 0.1699, 0.0962
Android (android.graphics.Color)	4281218246 (0xFF2E34C6)
YUV	66.8500, 64.6570, -18.2854
Hunter-Lab	26.6180, 37.2849, -101.7002

Details

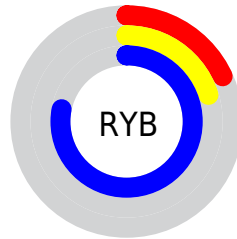
The CIELCh color **32, 89.216, 302.104** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **76, 69.854, 101.378**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 88.810, 302.143**, and **16, 84.505, 305.488** is the 20% darker color. If you saturate the color by 10%, you get **28, 99.852, 304.150**, and if you desaturate by 10%, it is **37, 77.010, 299.783**.

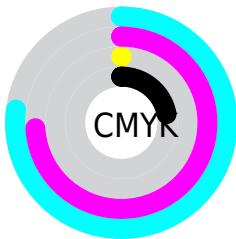
Distribution



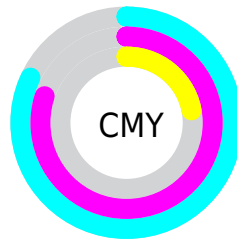
- Red (18%)
- Green (20%)
- Blue (78%)



- Red (18%)
- Yellow (20%)
- Blue (78%)



- Cyan (77%)
- Magenta (74%)
- Yellow (0%)
- Black (22%)





- Cyan (82%)
- Magenta (80%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 89.216, 302.104 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, 89.216, 302.104 by changing the saturation by 10% instead.


 32, 89.216,
302.104


 32, 89.216,
302.104


 100, 89.216,
302.104


 22, 89.216,
302.104

 52, 89.216,
302.104


 12, 89.216,
302.104


 62, 89.216,
302.104

 2, 89.216, 302.104

 72, 89.216,
302.104

 0, 89.216, 302.104

 82, 89.216,
302.104

 92, 89.216,
302.104

■ 32, 89.216,
302.104

■ 32, 89.216,
302.104

■ 28, 99.852,
304.150

■ 37, 77.010,
299.783

■ 25, 107.252,
305.582

■ 43, 64.425,
297.467

■ 24, 108.753,
305.842

■ 49, 52.052,
295.329

■ 56, 40.108,
293.440

■ 62, 28.641,
291.809

■ 69, 17.637,
290.419

■ 75, 7.064, 289.243

■ 82, 3.111, 108.200

■ 88, 12.918,
107.361

Harmonies

Complementary

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



32, 89.216, 302.104



76, 69.854, 101.378

Rectangle

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



32, 89.216, 302.104



32, 89.216, 352.104



32, 89.216, 122.104



32, 89.216, 172.104

Sweetspot

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



32, 89.217, 302.105



82, 29.888, 291.290



73, 40.072, 190.452



41, 20.840, 291.827



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



32, 89.217, 302.105



35, 127.265, 305.170



37, 89.126, 311.281



38, 5.863, 289.517



19, 93.887, 305.724



1, 20.895, 290.718

Inverse Universe

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



44, 68.245, 30.177



54, 98.137, 36.600



73, 77.900, 124.594



39, 4.280, 16.654



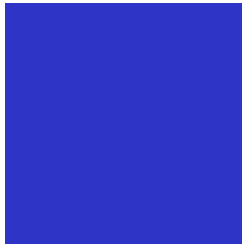
34, 73.033, 38.127



3, 15.903, 17.311

Previews

White Background



This preview shows how the CIE LCh color 32, 89.216, 302.104 looks on a white background.

Color Contrast Check

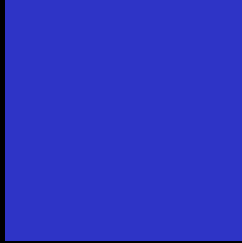
Large Text (above 18pt) WCAG AA ✓ Pass

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 32, 89.216, 302.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

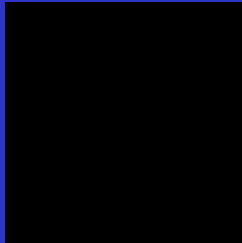
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 89.216, 302.104

Background



This preview shows how black text looks on a background with the CIELCh color 32, 89.216, 302.104.



This preview shows how white text looks on a background with the CIELCh color 32, 89.216, 302.104.

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, 89.216, 302.104

Deuteranopia

32, 35.450, 271.780

Tritanopia

32, 21.519, 205.172

Trichromacy



Original Color
32, 89.216, 302.104

Deuteranomaly
31, 55.167, 289.924

Tritanomaly
30, 36.785, 277.507

Monochromacy



Original Color
32, 89.216, 302.104

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 34.852, 295.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 89.216, 302.104 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(46, 52, 198)` looks like.

```
.text, #text, p{  
    color:rgb(46, 52, 198)  
}
```

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(46, 52, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 52, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 89.216, 302.104 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(46, 52, 198) }
```

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

```
.border{ border-color:rgb(46, 52, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 52, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 52, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 52, 198);  
box-shadow:4px 4px 4px 4px rgb(46, 52,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 89.216, 302.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 52, 198) }
```

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

```
.background{ background-color: rgb(46, 52,  
198) }
```

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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