

Converting Colors

CIELCh(32, 32.924, 296.242)

Have a look what the booklet for
CIELCh(32, 32.924, 296.242)
contains.

CIELCh(32, 32.924, 296.242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(32, 32.924, 296.242)

Conversions

Conversions Part 1

Format	Color
Hex	47467A
RGB	71, 70, 122
RGB Percent	28%, 27%, 48%
CMY	0.7224, 0.7263, 0.5225
CMYK	0.42, 0.43, 0.00, 0.52
HSL	241°, 27%, 38%
HSV	241°, 43%, 48%
XYZ	8.2581, 7.0852, 19.2702
YIQ	76.2270, -16.0960, 16.3840

Conversions

Conversions Part 2

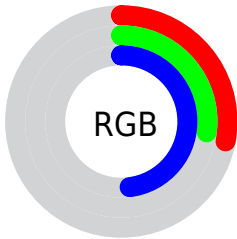
Format	Color
R_{YB}	71, 70, 122
Decimal	4671098
CIE _{Lab}	32.00, 14.56, -29.53
CIE _{LCh}	32, 32.924, 296.242
Yxy	7.0852, 0.2386, 0.2047
Android (android.graphics.Color)	4282861178 (0xFF47467A)
YUV	76.2270, 22.5661, -4.5841
Hunter-Lab	26.6180, 8.7975, -24.2906

Details

The CIELCh color $[32, 32.924, 296.242]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[50, 29.608, 107.131]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 33.204, 296.461]$, and $[12, 32.996, 296.238]$ is the 20% darker color. If you saturate the color by 10%, you get $[28, 41.450, 298.021]$, and if you desaturate by 10%, it is $[36, 24.700, 294.676]$.

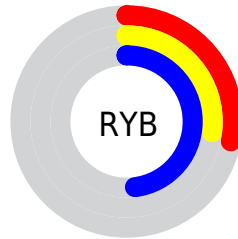
Distribution



Red (28%)

Green (27%)

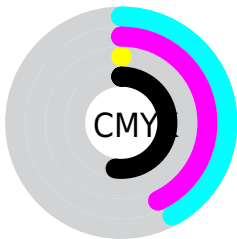
Blue (48%)



Red (28%)

Yellow (27%)

Blue (48%)

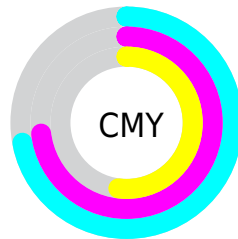


Cyan (42%)

Magenta (43%)

Yellow (0%)

Black (52%)



Cyan (72%)


Magenta (73%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 32.924, 296.242 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, 32.924, 296.242 by changing the saturation by 10% instead.


 32, 32.924,
296.242


 32, 32.924,
296.242

 100, 32.924,
296.242


 22, 32.924,
296.242

 52, 32.924,
296.242


 12, 32.924,
296.242


 62, 32.924,
296.242

 2, 32.924, 296.242

 72, 32.924,
296.242

 0, 32.924, 296.242

 82, 32.924,
296.242

 92, 32.924,
296.242

■ 32, 32.924,
296.242

■ 32, 32.924,
296.242

■ 28, 41.450,
298.021

■ 36, 24.700,
294.676

■ 23, 50.183,
299.976

■ 41, 16.800,
293.322

■ 19, 58.843,
301.999

■ 45, 9.213, 292.162

■ 16, 66.821,
303.887

■ 50, 1.917, 291.186

■ 14, 73.122,
305.359

■ 54, 5.107, 110.308

■ 12, 77.326,
306.379

■ 59, 11.879,
109.584

■ 63, 18.417,
108.960

■ 67, 24.737,
108.420

■ 72, 30.852,
107.952

Harmonies

Complementary

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



32, 32.924, 296.242



50, 29.608, 107.131

Rectangle

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



32, 32.924, 296.242



32, 32.924, 346.242



32, 32.924, 116.242



32, 32.924, 166.242

Sweetspot

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



32, 32.923, 296.242



58, 11.706, 292.231



47, 17.848, 199.178



29, 8.175, 292.432



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



32, 32.923, 296.242



37, 49.643, 297.938



35, 33.913, 311.649



23, 4.081, 291.788



13, 78.775, 306.376



32, 132.717, 306.325

Inverse Universe

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



38, 36.493, 327.152



46, 53.107, 327.592



48, 32.049, 127.747



24, 4.868, 325.403



29, 67.162, 328.973



59, 112.970, 329.014

Previews

White Background



This preview shows how the CIELCh color 32, 32.924, 296.242 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, 32.924, 296.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

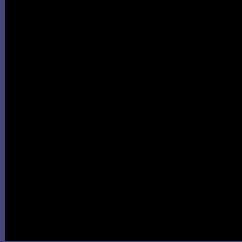
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 32.924, 296.242

Background



This preview shows how black text looks on a background with the CIELCh color 32, 32.924, 296.242.



This preview shows how white text looks on a background with the CIELCh color 32, 32.924, 296.242.

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

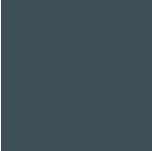
32, 32.924, 296.242

Protanopia

32, 32.462, 285.065

Deuteranopia

32, 29.677, 280.064



Tritanopia
32, 7.638, 228.594

Trichromacy



Original Color
32, 32.924, 296.242

Protanomaly
32, 32.953, 289.310

Deuteranomaly
32, 30.558, 286.042

Tritanomaly
32, 14.915, 278.297

Monochromacy



Original Color
32, 32.924, 296.242

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 12.048, 292.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 32.924, 296.242 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(71, 70, 122)` looks like.

```
.text, #text, p{  
    color:rgb(71, 70, 122)  
}
```

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(71, 70, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 70, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 32.924, 296.242 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(71, 70, 122) }
```

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

```
.border{ border-color:rgb(71, 70, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 70, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 70, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 70, 122);  
box-shadow:4px 4px 4px 4px rgb(71, 70,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 32.924, 296.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 70, 122) }
```

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

```
.background{ background-color: rgb(71, 70,  
122) }
```

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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