

Converting Colors

CIELCh(32, 17.295, 304.387)

Have a look what the booklet for
CIELCh(32, 17.295, 304.387)
contains.

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Color

CIELCh(32, 17.565, 304.645)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 504762 |
| RGB | 80, 71, 98 |
| RGB Percent | 31%, 28%, 38% |
| CMY | 0.6865, 0.7217, 0.6159 |
| CMYK | 0.18, 0.28, 0.00, 0.62 |
| HSL | 260°, 16%, 33% |
| HSV | 260°, 28%, 38% |
| XYZ | 7.7571, 7.0852, 12.5024 |
| YIQ | 76.7690, -3.3030, 10.3050 |

Conversions

Conversions Part 2

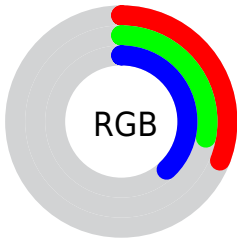
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 80, 71, 98 |
| Decimal | 5261154 |
| CIE Lab | 32.00, 9.99, -14.45 |
| CIE LCh | 32, 17.565, 304.645 |
| Yxy | 7.0852, 0.2837, 0.2591 |
| Android (android.graphics.Color) | 4283451234 (0xFF504762) |
| YUV | 76.7690, 10.4669, 2.8336 |
| Hunter-Lab | 26.6180, 5.4376, -9.2157 |

Details

The CIELCh color $[32, 17.565, 304.645]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[40, 16.734, 121.630]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 18.002, 305.389]$, and $[12, 16.962, 304.629]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 24.297, 305.347]$, and if you desaturate by 10%, it is $[35, 11.016, 304.005]$.

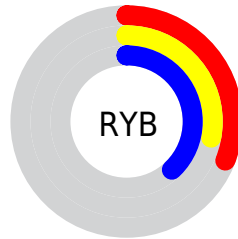
Distribution



 Red (31%)

 Green (28%)

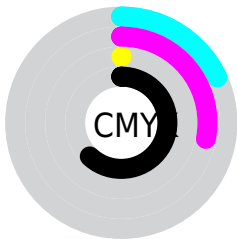
 Blue (38%)



 Red (31%)

 Yellow (28%)

 Blue (38%)

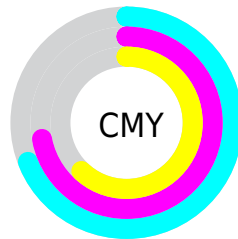


 Cyan (18%)

 Magenta (28%)

 Yellow (0%)

 Black (62%)



 Cyan (69%)


 Magenta (72%)


 Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 17.565, 304.645 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, 17.565, 304.645 by changing the saturation by 10% instead.


 32, 17.565,
304.645


 32, 17.565,
304.645

 100, 17.565,
304.645


 22, 17.565,
304.645

 52, 17.565,
304.645


 12, 17.565,
304.645


 62, 17.565,
304.645

 2, 17.565, 304.645

 72, 17.565,
304.645

 0, 17.565, 304.645

 82, 17.565,
304.645

 92, 17.565,
304.645

■ 32, 17.565,
304.645

■ 32, 17.565,
304.645

■ 29, 24.297,
305.347

■ 35, 11.016,
304.005

■ 25, 31.176,
306.103

■ 39, 4.670, 303.428

■ 42, 1.475, 122.953

■ 22, 38.117,
306.887

■ 46, 7.421, 122.487

■ 19, 44.958,
307.654

■ 49, 13.177,
122.093

■ 16, 51.422,
308.326

■ 53, 18.752,
121.751

■ 13, 57.076,
308.791

■ 56, 24.156,
121.453

■ 11, 62.163,
309.210

■ 59, 29.399,
121.195

■ 11, 63.555,

309.395

■ 63, 34.491,
120.972

Harmonies

Complementary

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



32, 17.565, 304.645



40, 16.734, 121.630

Rectangle

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



32, 17.565, 304.645



32, 17.565, 354.645



32, 17.565, 124.645



32, 17.565, 174.645

Sweetspot

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



32, 17.564, 304.644



50, 6.143, 303.466



37, 8.715, 236.241



25, 4.335, 303.528



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



32, 17.564, 304.644



39, 26.377, 305.089



33, 19.218, 320.457



18, 3.440, 303.500



13, 70.083, 309.230



34, 123.431, 308.628

Inverse Universe

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



34, 16.040, 337.567



42, 23.847, 338.071



39, 19.013, 137.963



18, 3.204, 336.204



24, 49.804, 346.290



53, 86.041, 347.842

Previews

White Background



This preview shows how the CIELCh color 32, 17.565, 304.645 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, 17.565, 304.645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

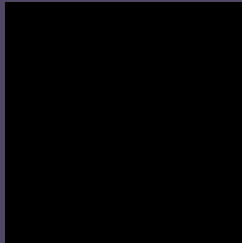
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 17.565, 304.645

Background



This preview shows how black text looks on a background with the CIELCh color 32, 17.565, 304.645.

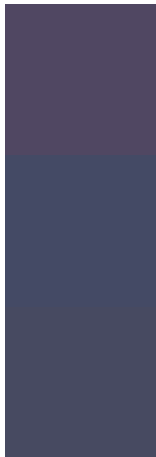


This preview shows how white text looks on a background with the CIELCh color 32, 17.565, 304.645.

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, 17.565, 304.645

Protanopia

32, 17.189, 285.764

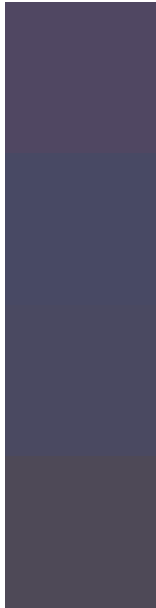
Deuteranopia

32, 14.597, 288.229



Tritanopia
32, 4.035, 309.354

Trichromacy



Original Color
32, 17.565, 304.645

Protanomaly
32, 17.129, 291.908

Deuteranomaly
32, 15.247, 294.290

Tritanomaly
32, 9.159, 304.751

Monochromacy



Original Color
32, 17.565, 304.645

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 6.472, 302.443

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 17.565, 304.645 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(80, 71, 98)` looks like.

```
.text, #text, p{  
    color:rgb(80, 71, 98)  
}
```

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(80, 71, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 71, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 17.565, 304.645 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(80, 71, 98) }
```

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

```
.border{ border-color:rgb(80, 71, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 71, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 71, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 71, 98);  
box-shadow:4px 4px 4px 4px rgb(80, 71, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 17.565, 304.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 71, 98) }
```

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

```
.background{ background-color: rgb(80, 71,  
98) }
```

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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