

Converting Colors

CIELCh(32, 38.702, 357.744)

Have a look what the booklet for
CIELCh(32, 38.702, 357.744)
contains.

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Color

CIELCh(32, 38.702, 357.744)

Conversions

Conversions Part 1

Format	Color
Hex	802E4F
RGB	128, 46, 79
RGB Percent	50%, 18%, 31%
CMY	0.4986, 0.8201, 0.6907
CMYK	0.00, 0.64, 0.38, 0.50
HSL	336°, 47%, 34%
HSV	336°, 64%, 50%
XYZ	11.2602, 7.0852, 8.1485
YIQ	74.2800, 38.2790, 27.6470

Conversions

Conversions Part 2

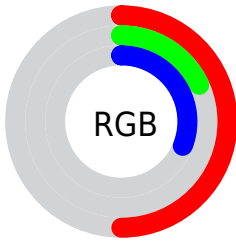
Format	Color
R_{YB}	128, 46, 79
Decimal	8400463
CIE _{Lab}	32.00, 38.67, -1.52
CIE _{LCh}	32, 38.702, 357.744
Yxy	7.0852, 0.4250, 0.2674
Android (android.graphics.Color)	4286590543 (0xFF802E4F)
YUV	74.2800, 2.3270, 47.1124
Hunter-Lab	26.6180, 28.9295, 0.4823

Details

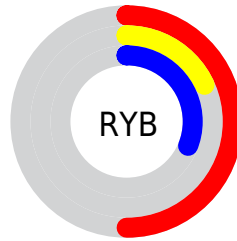
The CIELCh color $[32, 38.702, 357.744]$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $[48, 34.825, 162.055]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 38.623, 358.008]$, and $[13, 35.094, 0.433]$ is the 20% darker color. If you saturate the color by 10%, you get $[30, 43.328, 0.239]$, and if you desaturate by 10%, it is $[35, 33.260, 355.739]$.

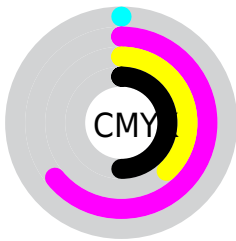
Distribution



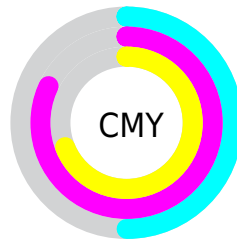
- Red (50%)
- Green (18%)
- Blue (31%)



- Red (50%)
- Yellow (18%)
- Blue (31%)



- Cyan (0%)
- Magenta (64%)
- Yellow (38%)
- Black (50%)



- Cyan (50%)
- Magenta (82%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 38.702, 357.744 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, 38.702, 357.744 by changing the saturation by 10% instead.

 32, 38.702,
357.744

 32, 38.702,
357.744

 100, 38.702,
357.744

 22, 38.702,
357.744

 52, 38.702,
357.744

 12, 38.702,
357.744

 62, 38.702,
357.744

 2, 38.702, 357.744

 72, 38.702,
357.744

 0, 38.702, 357.744

 82, 38.702,
357.744

 92, 38.702,
357.744

■ 32, 38.702,
357.744

■ 32, 38.702,
357.744

■ 30, 43.328, 0.239

■ 35, 33.260,
355.739

■ 28, 46.895, 3.374

■ 38, 27.297,
354.092

■ 27, 49.331, 7.280

■ 26, 50.687, 9.652

■ 41, 21.069,
352.711

■ 45, 14.772,
351.524

■ 48, 8.540, 350.480

■ 52, 2.456, 349.477

■ 56, 3.433, 168.882

■ 60, 9.107, 168.085

■ 63, 14.563,

Harmonies

Complementary

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



32, 38.702, 357.744



48, 34.825, 162.055

Rectangle

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



32, 38.702, 357.744



32, 38.702, 47.744



32, 38.702, 177.744



32, 38.702, 227.744

Sweetspot

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



32, 38.700, 357.745



59, 14.308, 351.021



29, 53.190, 314.601



30, 9.953, 351.279



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



32, 38.700, 357.745



38, 54.540, 1.610



32, 37.984, 32.601



25, 3.376, 349.988



26, 50.582, 9.636



0, 0.000, 0.000

Inverse Universe

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



32, 38.700, 357.745



38, 54.540, 1.610



47, 23.184, 207.244



25, 3.376, 349.988



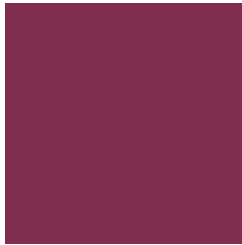
26, 50.582, 9.636



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 32, 38.702, 357.744 looks on a white background.

Color Contrast Check

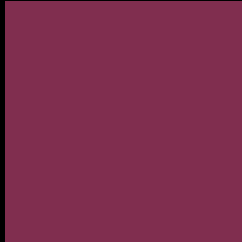
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.702, 357.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

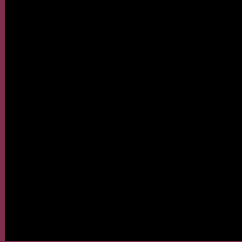
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 38.702, 357.744

Background



This preview shows how black text looks on a background with the CIELCh color 32, 38.702, 357.744.



This preview shows how white text looks on a background with the CIELCh color 32, 38.702, 357.744.

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, 38.702, 357.744

Protanopia

32, 13.966, 286.314

Deuteranopia

32, 4.483, 12.008



Tritanopia
32, 35.741, 22.981

Trichromacy



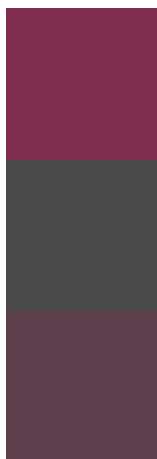
Original Color
32, 38.702, 357.744

Protanomaly
31, 20.143, 328.021

Deuteranomaly
32, 17.617, 357.468

Tritanomaly
32, 36.093, 13.036

Monochromacy



Original Color
32, 38.702, 357.744

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 15.247, 352.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 38.702, 357.744 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(128, 46, 79)` looks like.

```
.text, #text, p{  
    color:rgb(128, 46, 79)  
}
```

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(128, 46, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 46, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 38.702, 357.744 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(128, 46, 79) }
```

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

```
.border{ border-color:rgb(128, 46, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 46, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 46, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 46, 79);  
box-shadow:4px 4px 4px 4px rgb(128, 46,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 38.702, 357.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 46, 79) }
```

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

```
.background{ background-color: rgb(128, 46,  
79) }
```

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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