

Converting Colors

CIELCh(32, 7.800, 354.671)

Have a look what the booklet for
CIELCh(32, 7.800, 354.671) contains.

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Color

CIELCh(32, 8.013, 352.580)

Conversions

Conversions Part 1

Format	Color
Hex	57474D
RGB	87, 71, 77
RGB Percent	34%, 28%, 30%
CMY	0.6585, 0.7212, 0.6977
CMYK	0.00, 0.18, 0.11, 0.66
HSL	338°, 10%, 31%
HSV	338°, 18%, 34%
XYZ	7.5403, 7.0852, 8.0076
YIQ	76.4680, 7.6100, 5.2580

Conversions

Conversions Part 2

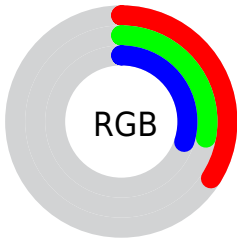
Format	Color
R_{YB}	87, 71, 77
Decimal	5719885
CIE Lab	32.00, 7.95, -1.03
CIE LCh	32, 8.013, 352.580
Yxy	7.0852, 0.3332, 0.3130
Android (android.graphics.Color)	4283909965 (0xFF57474D)
YUV	76.4680, 0.2623, 9.2366
Hunter-Lab	26.6180, 3.9838, 0.7962

Details

The CIELCh color **32, 8.013, 352.580** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **36, 7.724, 169.443**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 8.330, 351.248**, and **12, 7.471, 352.911** is the 20% darker color. If you saturate the color by 10%, you get **29, 12.523, 353.648**, and if you desaturate by 10%, it is **35, 3.598, 351.617**.

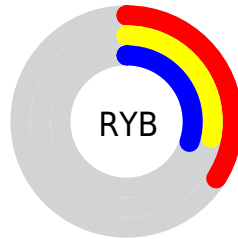
Distribution



 Red (34%)

 Green (28%)

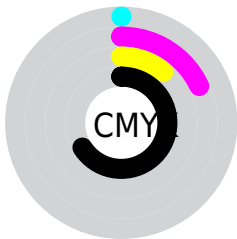
 Blue (30%)



 Red (34%)

 Yellow (28%)

 Blue (30%)

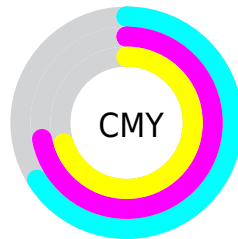



 Cyan (0%)

 Magenta (18%)

 Yellow (11%)

 Black (66%)



 Cyan (66%)

 Magenta (72%)

 Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 8.013, 352.580 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, 8.013, 352.580 by changing the saturation by 10% instead.

■ 32, 8.013, 352.580

■ 32, 8.013, 352.580

■ 100, 8.013,
352.580

■ 22, 8.013, 352.580

■ 52, 8.013, 352.580

■ 12, 8.013, 352.580

■ 62, 8.013, 352.580

■ 2, 8.013, 352.580

■ 72, 8.013, 352.580

■ 0, 8.013, 352.580

■ 82, 8.013, 352.580

■ 92, 8.013, 352.580

■ 32, 8.013, 352.580

■ 32, 8.013, 352.580

■ 29, 12.523,
353.648

■ 35, 3.598, 351.617

27, 17.070,
354.867

37, 0.683, 171.219

24, 21.555,
356.292

40, 4.813, 170.160

43, 8.788, 169.456

22, 25.841,
357.993

46, 12.608,
168.825

20, 29.756, 0.065

49, 16.282,
168.246

19, 33.113, 2.628

52, 19.818,
167.713

17, 35.756, 5.820

16, 38.214, 9.155

54, 23.227,
167.218

16, 38.654, 9.654

57, 26.518,
166.758

Harmonies

Complementary

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



32, 8.013, 352.580



36, 7.724, 169.443

Rectangle

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



32, 8.013, 352.580



32, 8.013, 42.580



32, 8.013, 172.580



32, 8.013, 222.580

Sweetspot

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



32, 8.012, 352.584



45, 3.167, 351.404



32, 11.015, 313.748



22, 2.079, 351.435



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, 8.012, 352.584



40, 11.890, 353.029



32, 6.528, 30.665



16, 2.397, 351.656



21, 44.752, 11.152



50, 80.267, 15.008

Inverse Universe

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



32, 8.012, 352.584



40, 11.890, 353.029



35, 5.830, 210.249



16, 2.397, 351.656



21, 44.752, 11.152



50, 80.267, 15.008

Previews

White Background



This preview shows how the CIELCh color 32, 8.013, 352.580 looks on a white background.

Color Contrast Check

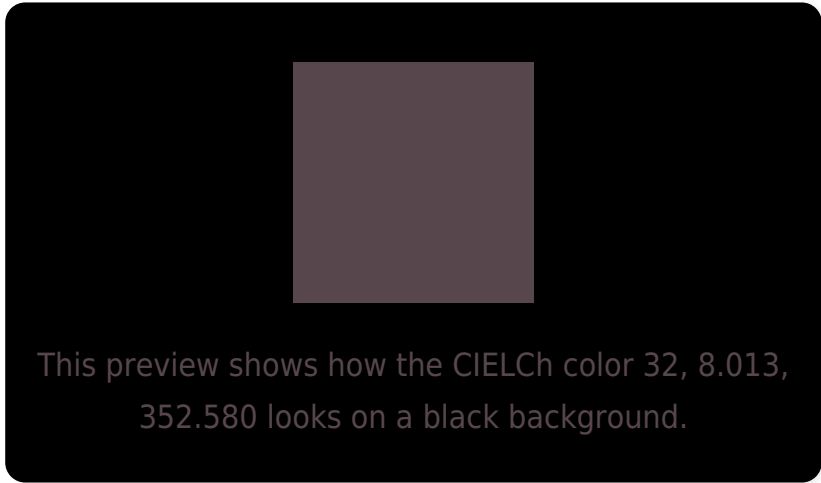
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

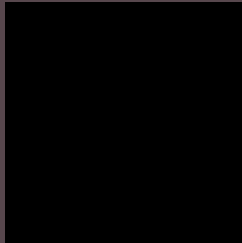
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 8.013, 352.580

Background



This preview shows how black text looks on a background with the CIELCh color 32, 8.013, 352.580.

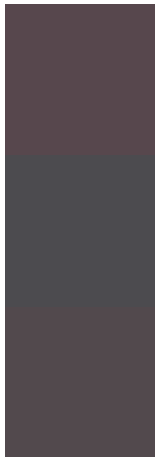


This preview shows how white text looks on a background with the CIELCh color 32, 8.013, 352.580.

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, 8.013, 352.580

Protanopia

32, 2.579, 300.191

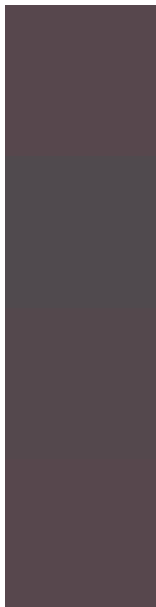
Deuteranopia

32, 4.698, 347.590



Tritanopia
32, 8.013, 352.580

Trichromacy



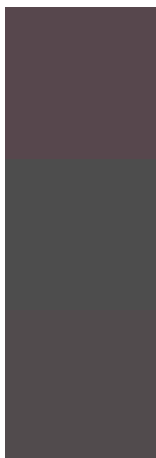
Original Color
32, 8.013, 352.580

Protanomaly
32, 3.652, 336.092

Deuteranomaly
32, 6.158, 349.558

Tritanomaly
32, 8.013, 352.580

Monochromacy



Original Color
32, 8.013, 352.580

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 2.922, 354.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 8.013, 352.580 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(87, 71, 77)` looks like.

```
.text, #text, p{  
    color:rgb(87, 71, 77)  
}
```

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(87, 71, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 71, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 8.013, 352.580 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(87, 71, 77) }
```

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

```
.border{ border-color:rgb(87, 71, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 71, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 71, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 71, 77);  
box-shadow:4px 4px 4px 4px rgb(87, 71, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 8.013, 352.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 71, 77) }
```

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

```
.background{ background-color: rgb(87, 71,  
77) }
```

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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