

Converting Colors

CIELCh(32, 6.590, 333.056)

Have a look what the booklet for
CIELCh(32, 6.590, 333.056) contains.

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Color

CIELCh(32, 6.976, 333.990)

Conversions

Conversions Part 1

Format	Color
Hex	534850
RGB	83, 72, 80
RGB Percent	33%, 28%, 31%
CMY	0.6738, 0.7170, 0.6856
CMYK	0.00, 0.13, 0.04, 0.67
HSL	316°, 7%, 30%
HSV	316°, 13%, 33%
XYZ	7.3652, 7.0852, 8.6021
YIQ	76.2010, 3.9880, 4.8200

Conversions

Conversions Part 2

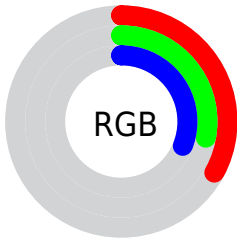
Format	Color
RYB	83, 72, 80
Decimal	5458000
CIELab	32.00, 6.27, -3.06
CIElCh	32, 6.976, 333.990
Yxy	7.0852, 0.3195, 0.3074
Android (android.graphics.Color)	4283648080 (0xFF534850)
YUV	76.2010, 1.8729, 5.9627
Hunter-Lab	26.6180, 2.8093, -0.5280

Details

The CIELCh color $32, 6.976, 333.990$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $34, 6.940, 152.390$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $52, 7.111, 332.874$, and $12, 6.723, 332.492$ is the 20% darker color. If you saturate the color by 10%, you get $30, 12.303, 334.647$, and if you desaturate by 10%, it is $35, 1.692, 333.300$.

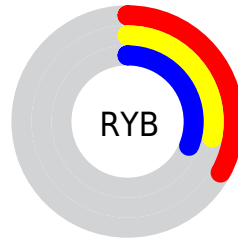
Distribution



Red (33%)

Green (28%)

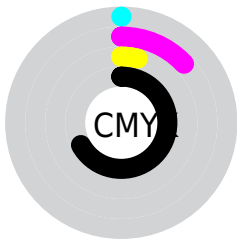
Blue (31%)



Red (33%)

Yellow (28%)

Blue (31%)

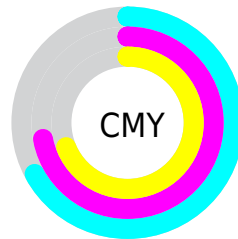


Cyan (0%)

Magenta (13%)

Yellow (4%)

Black (67%)



Cyan (67%)

Magenta (72%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 6.976, 333.990 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, 6.976, 333.990 by changing the saturation by 10% instead.

■ 32, 6.976, 333.990

■ 32, 6.976, 333.990

■ 100, 6.976,
333.990

■ 22, 6.976, 333.990

■ 52, 6.976, 333.990

■ 12, 6.976, 333.990

■ 62, 6.976, 333.990

■ 2, 6.976, 333.990

■ 72, 6.976, 333.990

■ 0, 6.976, 333.990

■ 82, 6.976, 333.990

■ 92, 6.976, 333.990

■ 32, 6.976, 333.990

■ 32, 6.976, 333.990

■ 30, 12.303,
334.647

■ 35, 1.692, 333.300

27, 17.603,
335.331

37, 3.499, 152.871

25, 22.770,
336.052

40, 8.570, 152.287

23, 27.662,
336.819

42, 13.508,
151.754

21, 32.096,
337.646

45, 18.305,
151.252

19, 35.864,
338.553

48, 22.963,
150.778

18, 38.760,
339.573

50, 27.486,
150.330

17, 40.812,
340.707

53, 31.879,
149.907

16, 42.240,
341.437

56, 36.151,
149.507

Harmonies

Complementary

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



32, 6.976, 333.990



34, 6.940, 152.390

Rectangle

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



32, 6.976, 333.990



32, 6.976, 23.990



32, 6.976, 153.990



32, 6.976, 203.990

Sweetspot

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



32, 6.975, 333.991



44, 2.584, 333.377



31, 7.135, 301.315



22, 1.815, 333.415



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



32, 6.975, 333.991



40, 10.414, 334.206



32, 5.145, 1.861



15, 2.892, 333.697



22, 49.260, 341.956



52, 87.266, 343.207

Inverse Universe

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



32, 6.975, 333.991



40, 10.414, 334.206



34, 4.928, 179.694



15, 2.892, 333.697



22, 49.260, 341.956



52, 87.266, 343.207

Previews

White Background



This preview shows how the CIELCh color 32, 6.976, 333.990 looks on a white background.

Color Contrast Check

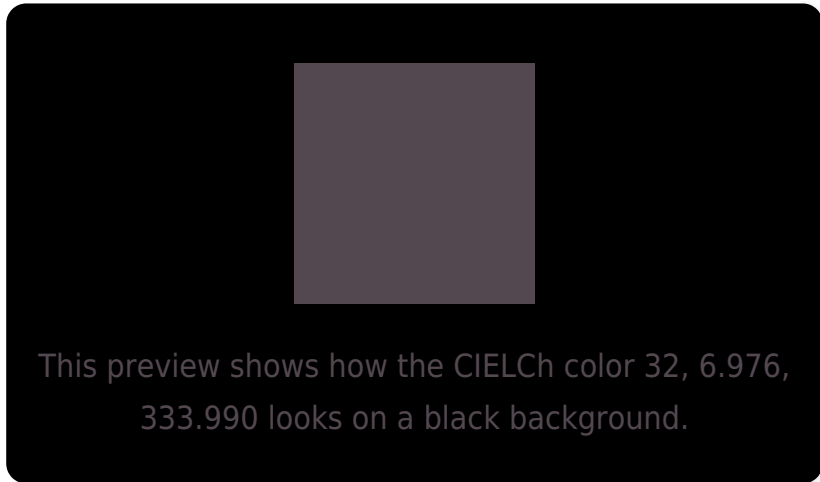
Large Text (above 18pt) WCAG AA ✓ Pass

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

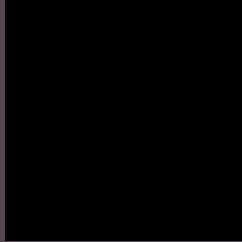
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 6.976, 333.990

Background



This preview shows how black text looks on a background with the CIELCh color 32, 6.976, 333.990.



This preview shows how white text looks on a background with the CIELCh color 32, 6.976, 333.990.

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

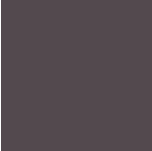
32, 6.976, 333.990

Protanopia

32, 4.437, 290.974

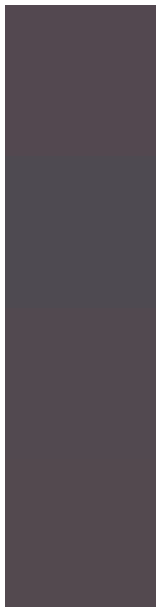
Deuteranopia

32, 5.645, 328.542



Tritanopia
32, 5.407, 344.536

Trichromacy



Original Color

32, 6.976, 333.990

Protanomaly

32, 4.777, 311.840

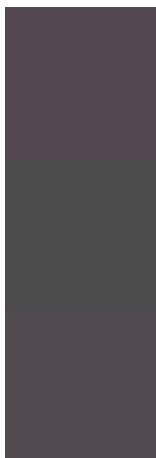
Deuteranomaly

32, 5.920, 331.923

Tritanomaly

32, 5.790, 339.433

Monochromacy



Original Color

32, 6.976, 333.990

Achromatopsia

32, 0.005, 296.813

Achromatomaly

32, 2.586, 332.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 6.976, 333.990 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(83, 72, 80)` looks like.

```
.text, #text, p{  
    color:rgb(83, 72, 80)  
}
```

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(83, 72, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 72, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 6.976, 333.990 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(83, 72, 80) }
```

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

```
.border{ border-color:rgb(83, 72, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 72, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 72, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 72, 80);  
box-shadow:4px 4px 4px 4px rgb(83, 72, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 6.976, 333.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 72, 80) }
```

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

```
.background{ background-color: rgb(83, 72,  
80) }
```

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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