

Converting Colors

CIELCh(32, 4.177, 73.882)

Have a look what the booklet for
CIELCh(32, 4.177, 73.882) contains.

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Color

CIELCh(32, 4.160, 68.859)

Conversions

Conversions Part 1

Format	Color
Hex	504A45
RGB	80, 74, 69
RGB Percent	31%, 29%, 27%
CMY	0.6852, 0.7087, 0.7283
CMYK	0.00, 0.07, 0.14, 0.69
HSL	27°, 7%, 29%
HSV	27°, 14%, 31%
XYZ	6.8818, 7.0852, 6.6796
YIQ	75.2240, 5.1810, -0.2830

Conversions

Conversions Part 2

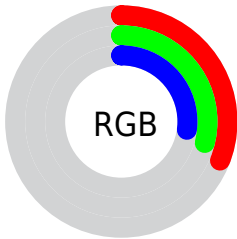
Format	Color
R_{YB}	80, 78, 69
Decimal	5261893
CIE Lab	32.00, 1.50, 3.88
CIE LCh	32, 4.160, 68.859
Yxy	7.0852, 0.3333, 0.3432
Android (android.graphics.Color)	4283451973 (0xFF504A45)
YUV	75.2240, -3.0684, 4.1886
Hunter-Lab	26.6180, -0.4321, 3.7542




Details

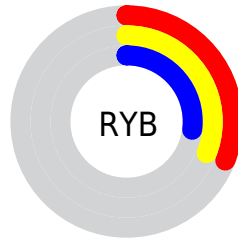
The CIELCh color **32, 4.160, 68.859** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **32, 3.998, 251.986**, and the grayscale version is **32, 0.005, 296.813**.




A 20% lighter version of the original color is **52, 4.243, 74.271**, and **12, 3.938, 66.932** is the 20% darker color. If you saturate the color by 10%, you get **30, 7.376, 67.848**, and if you desaturate by 10%, it is **34, 1.097, 69.780**.

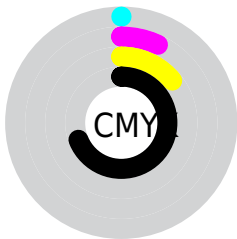
Distribution







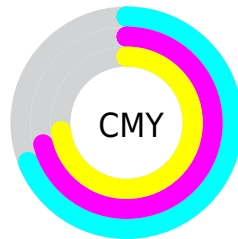
-  Red (31%)
-  Green (29%)
-  Blue (27%)






-  Red (31%)
-  Yellow (31%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (7%)
-  Yellow (14%)
-  Black (69%)



-  Cyan (69%)
-  Magenta (71%)
-  Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 4.160, 68.859 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, 4.160, 68.859 by changing the saturation by 10% instead.

 32, 4.160, 68.859  32, 4.160, 68.859

 100, 4.160, 68.859  22, 4.160, 68.859


 52, 4.160, 68.859  12, 4.160, 68.859

 62, 4.160, 68.859  2, 4.160, 68.859

 72, 4.160, 68.859  0, 4.160, 68.859

 82, 4.160, 68.859

 92, 4.160, 68.859

 32, 4.160, 68.859  32, 4.160, 68.859

 30, 7.376, 67.848  34, 1.097, 69.780

 29, 10.754, 66.809  35, 1.827, 251.117

■ 27, 14.302, 65.773

■ 37, 4.625, 252.061

■ 26, 18.015, 64.744

■ 38, 7.311, 253.034

■ 25, 21.868, 63.713

■ 40, 9.897, 253.988

■ 23, 25.802, 62.651

■ 42, 12.393,
254.914

■ 22, 29.609, 61.402

■ 43, 14.810,
255.809

■ 21, 32.604, 59.435

■ 20, 34.436, 58.356

■ 45, 17.156,
256.671

■ 46, 19.440,
257.498

Harmonies

Complementary

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



32, 4.160, 68.859



32, 3.998, 251.986

Rectangle

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



32, 4.160, 68.859



32, 4.160, 118.859



32, 4.160, 248.859



32, 4.160, 298.859

Sweetspot

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



32, 4.160, 68.876



43, 1.473, 69.755



31, 6.200, 342.023



22, 1.057, 69.721



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, 4.160, 68.876



41, 6.082, 68.585



34, 6.534, 106.853



16, 1.698, 69.367



27, 43.939, 58.680



59, 81.331, 56.417

Inverse Universe

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



32, 3.998, 251.986



41, 5.789, 252.354



30, 6.703, 289.470



15, 1.659, 251.402



23, 32.607, 276.455



53, 62.177, 280.000

Previews

White Background



This preview shows how the CIELCh color 32, 4.160, 68.859 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, 4.160, 68.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

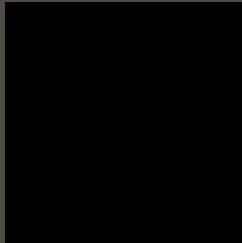
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

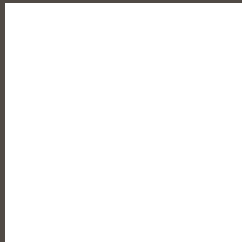
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 4.160, 68.859

Background



This preview shows how black text looks on a background with the CIELCh color 32, 4.160, 68.859.



This preview shows how white text looks on a background with the CIELCh color 32, 4.160, 68.859.

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

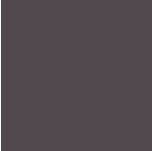
32, 4.160, 68.859

Protanopia

32, 3.422, 86.443

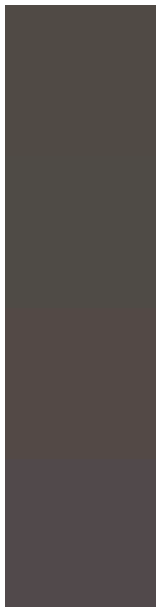
Deuteranopia

32, 5.781, 39.174



Tritanopia
32, 5.469, 336.338

Trichromacy



Original Color
32, 4.160, 68.859

Protanomaly
32, 3.622, 79.842

Deuteranomaly
32, 4.913, 42.596

Tritanomaly
32, 3.756, 0.302

Monochromacy



Original Color
32, 4.160, 68.859

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 1.458, 45.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 4.160, 68.859 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, 74, 69)` looks like.

```
.text, #text, p{  
    color:rgb(80, 74, 69)  
}
```

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, 74, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 74, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 4.160, 68.859 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, 74, 69) }
```

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

```
.border{ border-color:rgb(80, 74, 69) }
```

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

Here you see how a box with a 4 pixel rgb(80, 74, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 74, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 74, 69);  
box-shadow:4px 4px 4px 4px rgb(80, 74, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 4.160, 68.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 74, 69) }
```

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

```
.background{ background-color: rgb(80, 74,  
69) }
```

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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