

Converting Colors

CIELCh(32, 9.632, 20.229)

Have a look what the booklet for
CIELCh(32, 9.632, 20.229) contains.

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Color

CIELCh(32, 9.618, 20.958)

Conversions

Conversions Part 1

Format	Color
Hex	5B4646
RGB	91, 70, 70
RGB Percent	36%, 27%, 27%
CMY	0.6423, 0.7247, 0.7247
CMYK	0.00, 0.23, 0.23, 0.64
HSL	0°, 13%, 32%
HSV	0°, 23%, 36%
XYZ	7.6499, 7.0852, 6.7919
YIQ	76.2790, 12.5160, 4.4520

Conversions

Conversions Part 2

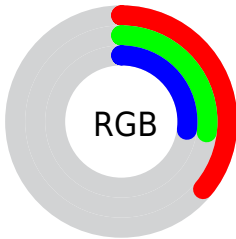
Format	Color
RYB	91, 70, 70
Decimal	5981766
CIELab	32.00, 8.98, 3.44
CIELCh	32, 9.618, 20.958
Yxy	7.0852, 0.3554, 0.3291
Android (android.graphics.Color)	4284171846 (0xFF5B4646)
YUV	76.2790, -3.0955, 12.9103
Hunter-Lab	26.6180, 4.7187, 3.5040

Details

The CIELCh color $[32, 9.618, 20.958]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[37, 8.356, 198.344]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 9.962, 20.504]$, and $[12, 9.650, 22.227]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 14.284, 21.983]$, and if you desaturate by 10%, it is $[35, 5.248, 20.148]$.

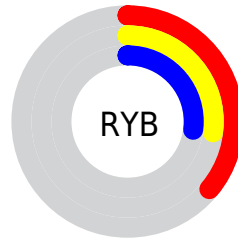
Distribution



Red (36%)

Green (27%)

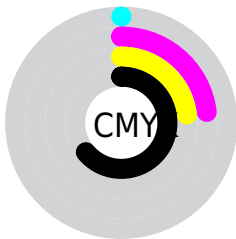
Blue (27%)



Red (36%)

Yellow (27%)

Blue (27%)

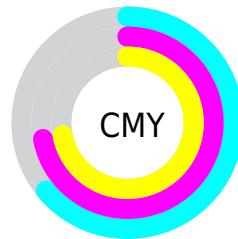


Cyan (0%)

Magenta (23%)

Yellow (23%)

Black (64%)



Cyan (64%)

Magenta (72%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 9.618, 20.958 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, 9.618, 20.958 by changing the saturation by 10% instead.

■ 32, 9.618, 20.958 ■ 32, 9.618, 20.958

■ 100, 9.618, 20.958 ■ 22, 9.618, 20.958

■ 52, 9.618, 20.958 ■ 12, 9.618, 20.958

■ 62, 9.618, 20.958 ■ 2, 9.618, 20.958

■ 72, 9.618, 20.958 ■ 0, 9.618, 20.958

■ 82, 9.618, 20.958

■ 92, 9.618, 20.958

■ 32, 9.618, 20.958 ■ 32, 9.618, 20.958

■ 29, 14.284, 21.983 ■ 35, 5.248, 20.148

■ 27, 19.227, 23.281 ■ 38, 1.179, 19.319

■ 24, 24.388, 24.942

■ 41, 2.606, 199.208

■ 22, 29.670, 27.054

■ 44, 6.128, 198.740

■ 20, 34.937, 29.682

■ 47, 9.412, 198.398

■ 18, 39.837, 32.427

■ 50, 12.484,
198.125

■ 17, 43.431, 33.778

■ 53, 15.368,
197.901

■ 17, 45.797, 34.363

■ 56, 18.087,
197.716

■ 59, 20.659,
197.560

Harmonies

Complementary

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



32, 9.618, 20.958



37, 8.356, 198.344

Rectangle

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



32, 9.618, 20.958



32, 9.618, 70.958



32, 9.618, 200.958



32, 9.618, 250.958

Sweetspot

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



32, 9.617, 20.965



48, 3.455, 19.719



33, 15.899, 325.596



24, 2.265, 19.740



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



32, 9.617, 20.965



40, 14.946, 21.534



35, 8.134, 72.778



17, 2.233, 19.839



21, 53.759, 36.852



50, 98.985, 40.001

Inverse Universe

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



37, 8.356, 198.344



48, 12.480, 198.085



34, 7.687, 258.518



18, 2.122, 199.063



42, 26.908, 196.404



85, 47.428, 196.405

Previews

White Background



This preview shows how the CIELCh color 32, 9.618, 20.958 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, 9.618, 20.958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

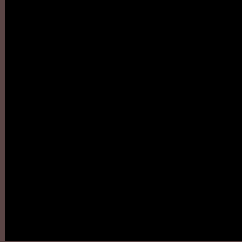
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 9.618, 20.958

Background



This preview shows how black text looks on a background with the CIELCh color 32, 9.618, 20.958.

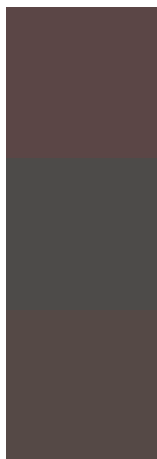


This preview shows how white text looks on a background with the CIELCh color 32, 9.618, 20.958.

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, 9.618, 20.958

Protanopia

32, 1.532, 74.733

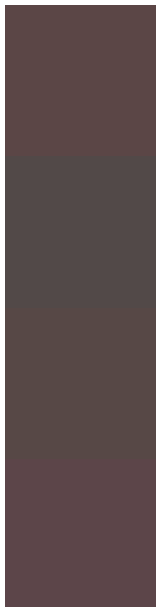
Deuteranopia

32, 5.781, 39.174



Tritanopia
32, 10.941, 1.155

Trichromacy



Original Color
32, 9.618, 20.958

Protanomaly
32, 4.080, 28.839

Deuteranomaly
32, 6.962, 30.801

Tritanomaly
32, 10.670, 7.631

Monochromacy



Original Color
32, 9.618, 20.958

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 3.552, 19.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 9.618, 20.958 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(91, 70, 70)` looks like.

```
.text, #text, p{  
    color:rgb(91, 70, 70)  
}
```

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(91, 70, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 70, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 9.618, 20.958 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(91, 70, 70) }
```

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

```
.border{ border-color:rgb(91, 70, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 70, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 70, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 70, 70);  
box-shadow:4px 4px 4px 4px rgb(91, 70, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 9.618, 20.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 70, 70) }
```

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

```
.background{ background-color: rgb(91, 70,  
70) }
```

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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