

Converting Colors

CIELCh(32, 20.935, 353.560)

Have a look what the booklet for
CIELCh(32, 20.935, 353.560)
contains.

CIELCh(32, 21.070, 353.235)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(32, 21.070, 353.235)

Conversions

Conversions Part 1

Format	Color
Hex	693F50
RGB	105, 63, 80
RGB Percent	41%, 25%, 31%
CMY	0.5894, 0.7540, 0.6874
CMYK	0.00, 0.40, 0.24, 0.59
HSL	336°, 25%, 33%
HSV	336°, 40%, 41%
XYZ	8.9909, 7.0852, 8.4297
YIQ	77.4960, 19.5750, 14.1910

Conversions

Conversions Part 2

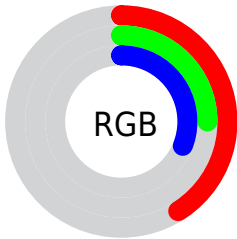
Format	Color
R_{YB}	105, 63, 80
Decimal	6897488
CIE Lab	32.00, 20.92, -2.48
CIE LCh	32, 21.070, 353.235
Yxy	7.0852, 0.3669, 0.2891
Android (android.graphics.Color)	4285087568 (0xFF693F50)
YUV	77.4960, 1.2345, 24.1210
Hunter-Lab	26.6180, 13.7115, -0.1440

Details

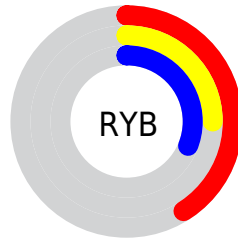
The CIELCh color $[32, 21.070, 353.235]$ is a dark color, and the websafe version is hex $\#663333$. A complement of this color would be $[41, 19.593, 165.288]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 21.216, 352.908]$, and $[12, 20.807, 352.685]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 26.268, 354.703]$, and if you desaturate by 10%, it is $[35, 15.734, 351.987]$.

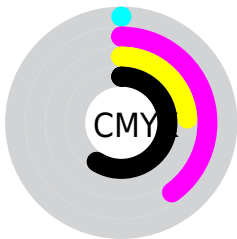
Distribution



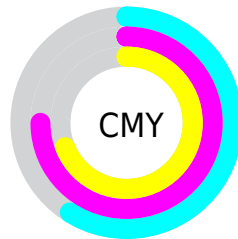
- Red (41%)
- Green (25%)
- Blue (31%)



- Red (41%)
- Yellow (25%)
- Blue (31%)



- Cyan (0%)
- Magenta (40%)
- Yellow (24%)
- Black (59%)





- Cyan (59%)
- Magenta (75%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 21.070, 353.235 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, 21.070, 353.235 by changing the saturation by 10% instead.


 32, 21.070,
353.235


 32, 21.070,
353.235

 100, 21.070,
353.235


 22, 21.070,
353.235

 52, 21.070,
353.235


 12, 21.070,
353.235


 62, 21.070,
353.235

 2, 21.070, 353.235

 72, 21.070,
353.235

 0, 21.070, 353.235

 82, 21.070,
353.235

 92, 21.070,
353.235

32, 21.070,
353.235

32, 21.070,
353.235

29, 26.268,
354.703

35, 15.734,
351.987

27, 31.145,
356.463

38, 10.398,
350.899

25, 35.475,
358.618

41, 5.152, 349.920

23, 39.025, 1.300

44, 0.048, 343.367

22, 41.633, 4.659

48, 4.887, 168.413

21, 43.900, 8.232

51, 9.641, 167.688

54, 14.215,
167.039

57, 18.616,
166.445

61, 22.852,

Harmonies

Complementary

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



32, 21.070, 353.235



41, 19.593, 165.288

Rectangle

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



32, 21.070, 353.235



32, 21.070, 43.235



32, 21.070, 173.235



32, 21.070, 223.235

Sweetspot

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



32, 21.068, 353.237



52, 7.582, 350.134



31, 28.330, 313.631



26, 5.075, 350.216



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



32, 21.068, 353.237



39, 31.058, 354.580



32, 18.554, 29.121



21, 2.919, 349.815



24, 47.612, 8.938



52, 82.312, 12.212

Inverse Universe

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



32, 21.068, 353.237



39, 31.058, 354.580



40, 14.076, 206.549



21, 2.919, 349.815



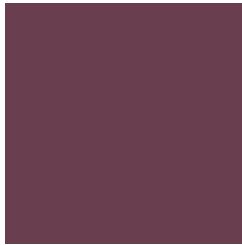
24, 47.612, 8.938



52, 82.312, 12.212

Previews

White Background



This preview shows how the CIELCh color 32, 21.070, 353.235 looks on a white background.

Color Contrast Check

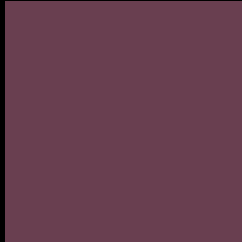
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 32, 21.070, 353.235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

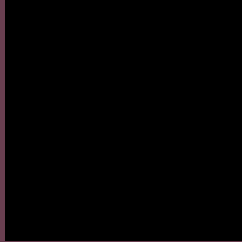
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 21.070, 353.235

Background



This preview shows how black text looks on a background with the CIELCh color 32, 21.070, 353.235.



This preview shows how white text looks on a background with the CIELCh color 32, 21.070, 353.235.

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, 21.070, 353.235

Protanopia

32, 7.629, 285.403

Deuteranopia

32, 5.058, 341.527



Tritanopia
32, 18.152, 14.819

Trichromacy



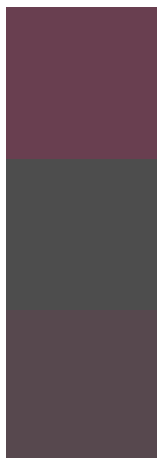
Original Color
32, 21.070, 353.235

Protanomaly
32, 10.200, 327.265

Deuteranomaly
32, 11.151, 346.896

Tritanomaly
32, 18.863, 5.669

Monochromacy



Original Color
32, 21.070, 353.235

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 7.607, 350.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 21.070, 353.235 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(105, 63, 80)` looks like.

```
.text, #text, p{  
    color:rgb(105, 63, 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(105, 63, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 63, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 21.070, 353.235 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(105, 63, 80) }
```

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

```
.border{ border-color:rgb(105, 63, 80) }
```

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

Here you see how a box with a 4 pixel rgb(105, 63, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 63, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 63, 80);  
box-shadow:4px 4px 4px 4px rgb(105, 63,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 21.070, 353.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 63, 80) }
```

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

```
.background{ background-color: rgb(105, 63,  
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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