

Converting Colors

CIELCh(32, 23.885, 336.528)

Have a look what the booklet for
CIELCh(32, 23.885, 336.528)
contains.

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Color

CIELCh(32, 23.763, 336.155)

Conversions

Conversions Part 1

Format	Color
Hex	663F5B
RGB	102, 63, 91
RGB Percent	40%, 25%, 36%
CMY	0.6011, 0.7540, 0.6442
CMYK	0.00, 0.38, 0.11, 0.60
HSL	317°, 24%, 32%
HSV	317°, 38%, 40%
XYZ	9.0873, 7.0852, 10.7249
YIQ	77.8530, 14.2560, 16.9760

Conversions

Conversions Part 2

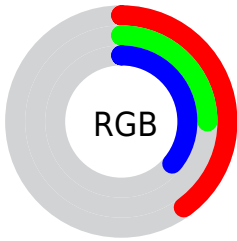
Format	Color
R_{YB}	102, 63, 91
Decimal	6700891
CIE _{Lab}	32.00, 21.73, -9.61
CIE _{LCh}	32, 23.763, 336.155
Yxy	7.0852, 0.3379, 0.2634
Android (android.graphics.Color)	4284890971 (0xFF663F5B)
YUV	77.8530, 6.4815, 21.1769
Hunter-Lab	26.6180, 14.3580, -5.2566




Details

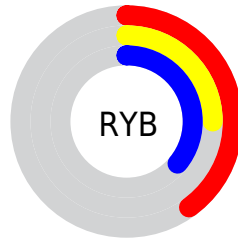
The CIELCh color $[32, 23.763, 336.155]$ is a dark color, and the websafe version is hex $\#663366$. A complement of this color would be $[40, 23.535, 150.559]$, and the grayscale version is $[33, 0.005, 296.813]$.




A 20% lighter version of the original color is $[52, 24.065, 336.339]$, and $[12, 23.375, 336.670]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 29.650, 336.939]$, and if you desaturate by 10%, it is $[35, 17.614, 335.420]$.

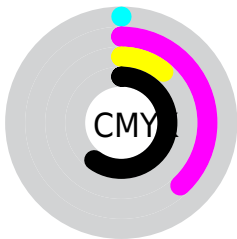
Distribution







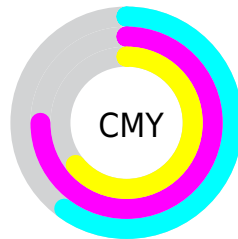
-  Red (40%)
-  Green (25%)
-  Blue (36%)






-  Red (40%)
-  Yellow (25%)
-  Blue (36%)



-  Cyan (0%)
-  Magenta (38%)
-  Yellow (11%)
-  Black (60%)





-  Cyan (60%)
-  Magenta (75%)
-  Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 23.763, 336.155 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, 23.763, 336.155 by changing the saturation by 10% instead.


 32, 23.763,
336.155


 32, 23.763,
336.155

 100, 23.763,
336.155


 22, 23.763,
336.155

 52, 23.763,
336.155


 12, 23.763,
336.155


 62, 23.763,
336.155

 2, 23.763, 336.155

 72, 23.763,
336.155

 0, 23.763, 336.155

 82, 23.763,
336.155

 92, 23.763,
336.155

■ 32, 23.763,
336.155

■ 32, 23.763,
336.155

■ 29, 29.650,
336.939

■ 35, 17.614,
335.420

■ 27, 35.071,
337.785

■ 38, 11.366,
334.723

■ 25, 39.775,
338.714

■ 41, 5.130, 334.047

■ 24, 43.499,
339.758

■ 44, 1.022, 153.666

■ 47, 7.042, 152.908

■ 22, 46.024,
340.964

■ 50, 12.907,
152.338

■ 21, 47.752,
342.279

■ 53, 18.606,
151.807

■ 21, 48.059,
342.492

■ 56, 24.134,
151.306

■ 59, 29.497,
150.834

Harmonies

Complementary

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



32, 23.763, 336.155



40, 23.535, 150.559

Rectangle

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



32, 23.763, 336.155



32, 23.763, 26.155



32, 23.763, 156.155



32, 23.763, 206.155

Sweetspot

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



32, 23.761, 336.156



51, 8.452, 334.250



29, 25.467, 303.253



25, 5.637, 334.310



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



32, 23.761, 336.156



39, 35.147, 336.860



31, 18.478, 5.010



20, 3.471, 334.088



24, 52.209, 342.751



54, 89.556, 343.918

Inverse Universe

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



32, 23.761, 336.156



39, 35.147, 336.860



40, 16.125, 177.229



20, 3.471, 334.088



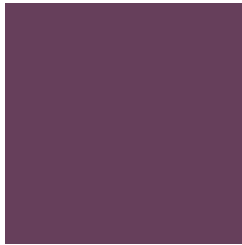
24, 52.209, 342.751



54, 89.556, 343.918

Previews

White Background



This preview shows how the CIE LCh color 32, 23.763, 336.155 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, 23.763, 336.155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

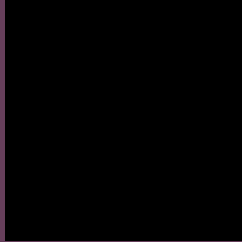
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 23.763, 336.155

Background



This preview shows how black text looks on a background with the CIELCh color 32, 23.763, 336.155.



This preview shows how white text looks on a background with the CIELCh color 32, 23.763, 336.155.

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, 23.763, 336.155

Protanopia

32, 15.288, 284.349

Deuteranopia

32, 9.610, 299.151



Tritanopia
32, 15.427, 8.133

Trichromacy



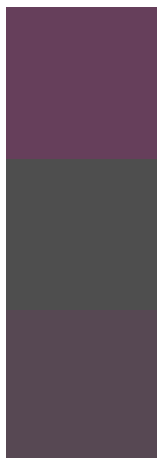
Original Color
32, 23.763, 336.155

Protanomaly
32, 16.424, 306.830

Deuteranomaly
32, 14.353, 319.715

Tritanomaly
32, 17.635, 352.870

Monochromacy



Original Color
32, 23.763, 336.155

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 9.498, 334.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 23.763, 336.155 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(102, 63, 91)` looks like.

```
.text, #text, p{  
    color:rgb(102, 63, 91)  
}
```

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(102, 63, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 63, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 23.763, 336.155 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(102, 63, 91) }
```

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

```
.border{ border-color:rgb(102, 63, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 63, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 63, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 63, 91);  
box-shadow:4px 4px 4px 4px rgb(102, 63,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 23.763, 336.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 63, 91) }
```

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

```
.background{ background-color: rgb(102, 63,  
91) }
```

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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