

Converting Colors

CIELCh(32, 20.644, 48.830)

Have a look what the booklet for
CIELCh(32, 20.644, 48.830) contains.

CIELCh(32, 20.601, 48.568)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(32, 20.601, 48.568)

Conversions

Conversions Part 1	
Format	Color
Hex	674334
RGB	103, 67, 52
RGB Percent	40%, 26%, 20%
CMY	0.5975, 0.7385, 0.7973
CMYK	0.00, 0.35, 0.50, 0.60
HSL	18°, 33%, 30%
HSV	18°, 50%, 40%
XYZ	8.1550, 7.0852, 4.1512
YIQ	76.0540, 26.2710, 2.9670

Conversions

Conversions Part 2

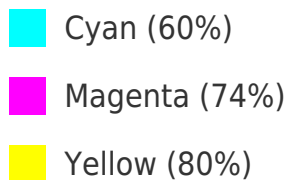
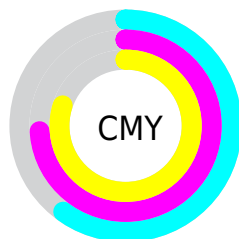
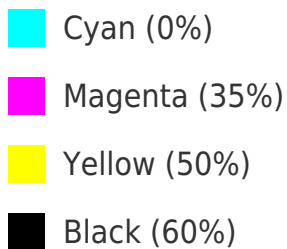
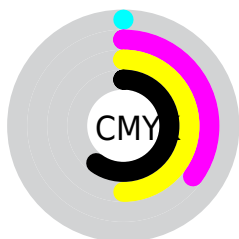
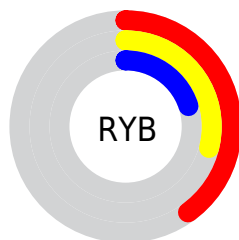
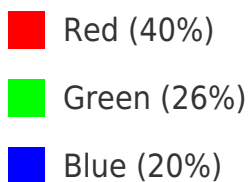
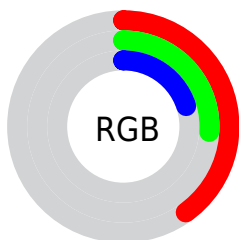
Format	Color
RYB	103, 73, 52
Decimal	6767412
CIELab	32.00, 13.63, 15.45
CIELCh	32, 20.601, 48.568
Yxy	7.0852, 0.4205, 0.3654
Android (android.graphics.Color)	4284957492 (0xFF674334)
YUV	76.0540, -11.8586, 23.6316
Hunter-Lab	26.6180, 8.1061, 9.3861

Details

The CIELCh color **32, 20.601, 48.568** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **35, 15.176, 236.457**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 20.581, 47.484**, and **12, 20.822, 47.661** is the 20% darker color. If you saturate the color by 10%, you get **30, 25.645, 48.404**, and if you desaturate by 10%, it is **34, 15.857, 48.853**.

Distribution



Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 20.601, 48.568 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, 20.601, 48.568 by changing the saturation by 10% instead.

 32, 20.601, 48.568

 32, 20.601, 48.568

 100, 20.601,
48.568

 22, 20.601, 48.568

 52, 20.601, 48.568

 12, 20.601, 48.568

 62, 20.601, 48.568

 2, 20.601, 48.568

 72, 20.601, 48.568

 0, 20.601, 48.568

 82, 20.601, 48.568

 92, 20.601, 48.568

 32, 20.601, 48.568

 32, 20.601, 48.568

 30, 25.645, 48.404

 34, 15.857, 48.853

	28, 30.941, 48.337		36, 11.427, 49.234
	26, 36.362, 48.314		39, 7.299, 49.692
	24, 41.508, 48.024		41, 3.455, 50.184
	23, 45.789, 47.215		44, 0.129, 233.282
	23, 45.942, 47.197		46, 3.480, 231.574
			48, 6.623, 232.175
			51, 9.582, 232.813
			53, 12.377, 233.462

Harmonies

Complementary

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



32, 20.601, 48.568



35, 15.176, 236.457

Rectangle

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



32, 20.601, 48.568



32, 20.601, 98.568



32, 20.601, 228.568



32, 20.601, 278.568

Sweetspot

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



32, 20.600, 48.573



51, 6.778, 49.899



29, 30.593, 337.113



25, 4.611, 49.827



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, 20.600, 48.573



39, 32.064, 48.383



39, 24.567, 93.756



20, 1.998, 50.217



26, 50.773, 47.580



56, 91.806, 46.599

Inverse Universe

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



35, 15.176, 236.457



43, 21.576, 239.026



27, 26.007, 287.049



20, 1.910, 231.537



32, 26.435, 252.692



66, 47.043, 255.966

Previews

White Background



This preview shows how the CIE LCh color 32, 20.601, 48.568 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, 20.601, 48.568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

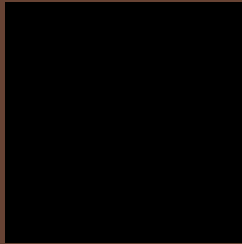
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 20.601, 48.568

Background



This preview shows how black text looks on a background with the CIELCh color 32, 20.601, 48.568.

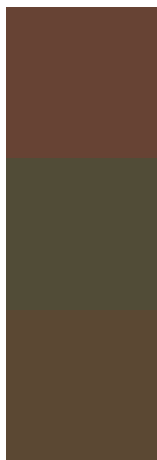


This preview shows how white text looks on a background with the CIELCh color 32, 20.601, 48.568.

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, 20.601, 48.568

Protanopia

32, 13.378, 97.480

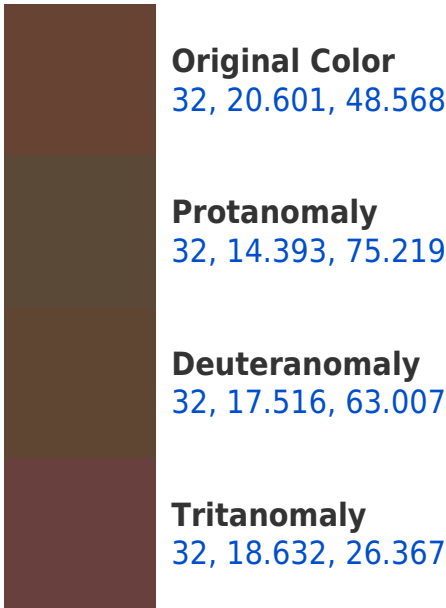
Deuteranopia

32, 16.386, 72.868

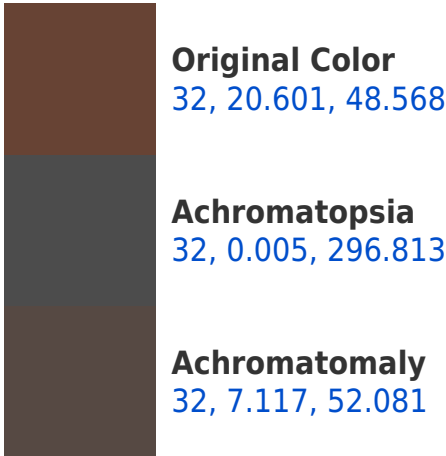


Tritanopia
32, 18.658, 13.248

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 20.601, 48.568 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(103, 67, 52)` looks like.

```
.text, #text, p{  
    color:rgb(103, 67, 52)  
}
```

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(103, 67, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 67, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 20.601, 48.568 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(103, 67, 52) }
```

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

```
.border{ border-color:rgb(103, 67, 52) }
```

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

Here you see how a box with a 4 pixel rgb(103, 67, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 67, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 67, 52);  
box-shadow:4px 4px 4px 4px rgb(103, 67,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 20.601, 48.568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 67, 52) }
```

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

```
.background{ background-color: rgb(103, 67,  
52) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor