

Converting Colors

CIELCh(32, 13.716, 45.602)

Have a look what the booklet for
CIELCh(32, 13.716, 45.602) contains.

CIELCh(32, 13.855, 45.058)	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, 13.855, 45.058)

Conversions

Conversions Part 1

Format	Color
Hex	5F453C
RGB	95, 69, 60
RGB Percent	37%, 27%, 24%
CMY	0.6259, 0.7280, 0.7633
CMYK	0.00, 0.27, 0.37, 0.63
HSL	15°, 22%, 31%
HSV	15°, 37%, 37%
XYZ	7.7358, 7.0852, 5.2842
YIQ	75.7480, 18.3850, 2.7130

Conversions

Conversions Part 2

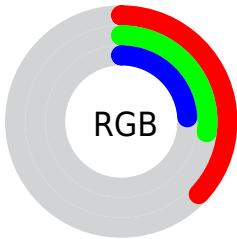
Format	Color
RYB	95, 72, 60
Decimal	6243644
CIELab	32.00, 9.79, 9.81
CIELCh	32, 13.855, 45.058
Yxy	7.0852, 0.3848, 0.3524
Android (android.graphics.Color)	4284433724 (0xFF5F453C)
YUV	75.7480, -7.7638, 16.8840
Hunter-Lab	26.6180, 5.2950, 6.8624

Details

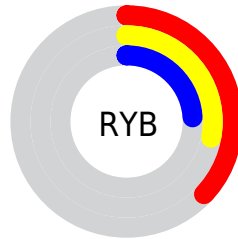
The CIELCh color **32, 13.855, 45.058** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **35, 11.049, 229.103**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 13.830, 45.154**, and **12, 13.476, 46.006** is the 20% darker color. If you saturate the color by 10%, you get **30, 18.304, 44.975**, and if you desaturate by 10%, it is **34, 9.708, 45.270**.

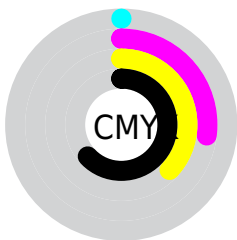
Distribution



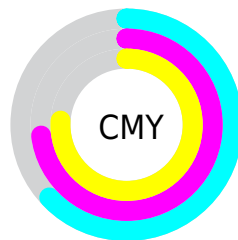
- Red (37%)
- Green (27%)
- Blue (24%)



- Red (37%)
- Yellow (28%)
- Blue (24%)



- Cyan (0%)
- Magenta (27%)
- Yellow (37%)
- Black (63%)



- Cyan (63%)
- Magenta (73%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 13.855, 45.058 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, 13.855, 45.058 by changing the saturation by 10% instead.

■ 32, 13.855, 45.058

■ 32, 13.855, 45.058

■ 100, 13.855,
45.058

■ 22, 13.855, 45.058

■ 52, 13.855, 45.058

■ 12, 13.855, 45.058

■ 62, 13.855, 45.058

■ 2, 13.855, 45.058

■ 72, 13.855, 45.058

■ 0, 13.855, 45.058

■ 82, 13.855, 45.058

■ 92, 13.855, 45.058

■ 32, 13.855, 45.058

■ 32, 13.855, 45.058

■ 30, 18.304, 44.975

■ 34, 9.708, 45.270

■ 28, 23.052, 45.021

■ 37, 5.853, 45.560

■ 26, 28.066, 45.210

■ 39, 2.269, 45.865

■ 24, 33.258, 45.512

■ 41, 1.067, 226.731

■ 22, 38.301, 45.627

■ 44, 4.181, 227.001

■ 21, 42.331, 44.810

■ 46, 7.096, 227.482

■ 21, 43.587, 44.671

■ 48, 9.836, 227.998

■ 51, 12.419,
228.528

■ 53, 14.866,
229.063

Harmonies

Complementary

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



32, 13.855, 45.058



35, 11.049, 229.103

Rectangle

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



32, 13.855, 45.058



32, 13.855, 95.058



32, 13.855, 225.058



32, 13.855, 275.058

Sweetspot

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



32, 13.854, 45.064



49, 4.711, 45.734



30, 22.100, 334.688



25, 3.200, 45.706



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



32, 13.854, 45.064



40, 21.412, 44.979



37, 16.624, 93.045



19, 1.931, 45.809



25, 50.566, 45.513



54, 92.790, 45.055

Inverse Universe

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



35, 11.049, 229.103



44, 16.025, 230.216



30, 17.050, 282.413



19, 1.842, 226.848



33, 24.865, 245.407



68, 44.245, 248.587

Previews

White Background



This preview shows how the CIE LCh color 32, 13.855, 45.058 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, 13.855, 45.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

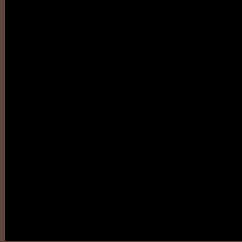
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 13.855, 45.058

Background



This preview shows how black text looks on a background with the CIELCh color 32, 13.855, 45.058.

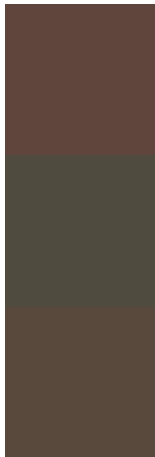


This preview shows how white text looks on a background with the CIELCh color 32, 13.855, 45.058.

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, 13.855, 45.058

Protanopia

32, 7.910, 91.742

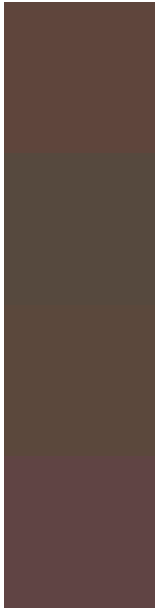
Deuteranopia

32, 10.949, 68.000



Tritanopia
32, 13.482, 8.375

Trichromacy



Original Color
32, 13.855, 45.058

Protanomaly
32, 9.307, 67.784

Deuteranomaly
32, 11.934, 59.310

Tritanomaly
32, 12.991, 21.571

Monochromacy



Original Color
32, 13.855, 45.058

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 4.796, 51.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 13.855, 45.058 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(95, 69, 60)` looks like.

```
.text, #text, p{  
    color:rgb(95, 69, 60)  
}
```

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(95, 69, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 69, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 13.855, 45.058 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(95, 69, 60) }
```

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

```
.border{ border-color:rgb(95, 69, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 69, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 69, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 69, 60);  
box-shadow:4px 4px 4px 4px rgb(95, 69, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 13.855, 45.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 69, 60) }
```

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

```
.background{ background-color: rgb(95, 69,  
60) }
```

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