

Converting Colors

CIELCh(45, 9.601, 53.363)

Have a look what the booklet for
CIELCh(45, 9.601, 53.363) contains.

CIELCh(45, 9.542, 54.036)	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(45, 9.542, 54.036)

Conversions

Conversions Part 1

Format	Color
Hex	79675E
RGB	121, 103, 94
RGB Percent	47%, 40%, 37%
CMY	0.5259, 0.5965, 0.6318
CMYK	0.00, 0.15, 0.22, 0.53
HSL	20°, 13%, 42%
HSV	20°, 22%, 47%
XYZ	14.7242, 14.5417, 12.5952
YIQ	107.3560, 13.6170, 1.0170

Conversions

Conversions Part 2

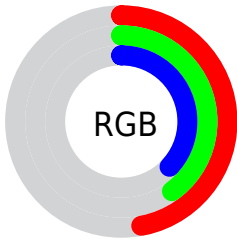
Format	Color
R _Y B	121, 108, 94
Decimal	7956318
CIE Lab	45.00, 5.60, 7.72
CIE LCh	45, 9.542, 54.036
Yxy	14.5417, 0.3517, 0.3474
Android (android.graphics.Color)	4286146398 (0xFF79675E)
YUV	107.3560, -6.5845, 11.9658
Hunter-Lab	38.1336, 2.1887, 7.1105

Details

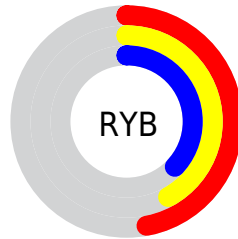
The CIELCh color $45, 9.542, 54.036$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 8.512, 237.927$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 9.768, 54.339$, and $25, 9.576, 53.469$ is the 20% darker color. If you saturate the color by 10%, you get $42, 14.312, 53.407$, and if you desaturate by 10%, it is $48, 5.089, 54.722$.

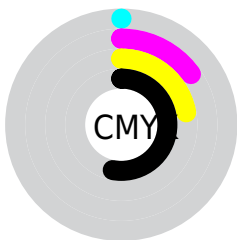
Distribution



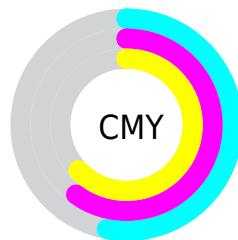
- Red (47%)
- Green (40%)
- Blue (37%)



- Red (47%)
- Yellow (42%)
- Blue (37%)



- Cyan (0%)
- Magenta (15%)
- Yellow (22%)
- Black (53%)





- Cyan (53%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.542, 54.036 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 45, 9.542, 54.036 by changing the saturation by 10% instead.

 45, 9.542, 54.036  45, 9.542, 54.036

 100, 9.542, 54.036  35, 9.542, 54.036


 65, 9.542, 54.036  25, 9.542, 54.036

 75, 9.542, 54.036  15, 9.542, 54.036

 85, 9.542, 54.036  5, 9.542, 54.036

 95, 9.542, 54.036  0, 9.542, 54.036

 45, 9.542, 54.036  45, 9.542, 54.036

 42, 14.312, 53.407  48, 5.089, 54.722

 40, 19.420, 52.833  50, 0.927, 55.171

 38, 24.868, 52.340  53, 2.972, 236.419

■ 35, 30.631, 51.928

■ 55, 6.636, 237.140

■ 33, 36.620, 51.567

■ 58, 10.094,
237.909

■ 31, 42.626, 51.155

■ 61, 13.369,
238.681

■ 30, 48.202, 50.452

■ 28, 52.197, 49.980

■ 64, 16.484,
239.446

■ 66, 19.457,
240.196

■ 69, 22.307,
240.928

Harmonies

Complementary

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



45, 9.542, 54.036



46, 8.512, 237.927

Rectangle

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



45, 9.542, 54.036



45, 9.542, 104.036



45, 9.542, 234.036



45, 9.542, 284.036

Sweetspot

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



45, 9.542, 54.047



63, 3.536, 55.053



43, 15.434, 337.215



32, 2.288, 55.029



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 9.542, 54.047



56, 14.645, 53.698



49, 13.266, 99.940



24, 2.322, 54.937



29, 53.674, 49.994



59, 92.793, 48.453

Inverse Universe

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



46, 8.512, 237.927



58, 12.666, 238.615



42, 13.657, 285.076



25, 2.226, 236.567



33, 29.970, 260.202



66, 52.033, 263.174

Previews

White Background



This preview shows how the CIELCh color 45, 9.542, 54.036 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 × Fail

Black Background



This preview shows how the CIE LCh color 45, 9.542, 54.036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

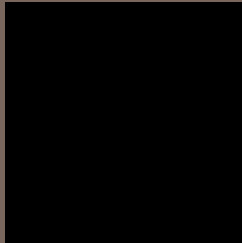
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 9.542, 54.036

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.542, 54.036.

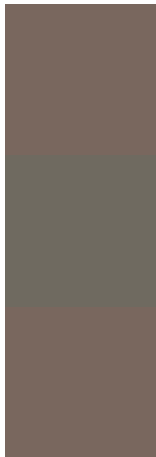


This preview shows how white text looks on a background with the CIELCh color 45, 9.542, 54.036.

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

45, 9.542, 54.036

Protanopia

45, 6.308, 89.506

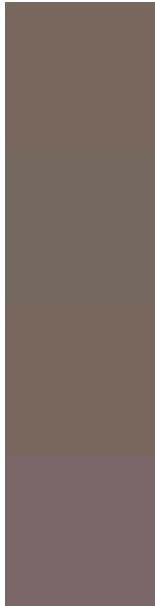
Deuteranopia

45, 9.542, 54.036



Tritanopia
45, 10.307, 353.343

Trichromacy



Original Color

45, 9.542, 54.036

Protanomaly

45, 7.350, 73.363

Deuteranomaly

45, 9.542, 54.036

Tritanomaly

45, 8.530, 12.498

Monochromacy



Original Color

45, 9.542, 54.036

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 3.452, 62.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.542, 54.036 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(121, 103, 94)` looks like.

```
.text, #text, p{  
    color:rgb(121, 103, 94)  
}
```

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(121, 103, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 103, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.542, 54.036 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(121, 103, 94) }
```

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

```
.border{ border-color:rgb(121, 103, 94) }
```

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

Here you see how a box with a 4 pixel rgb(121, 103, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 103, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 103, 94);  
box-shadow:4px 4px 4px 4px rgb(121, 103,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.542, 54.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 103, 94) }
```

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

```
.background{ background-color: rgb(121,  
103, 94) }
```

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