

Converting Colors

CIELCh(45, 10.008, 42.923)

Have a look what the booklet for
CIELCh(45, 10.008, 42.923) contains.

CIELCh(45, 10.095, 44.561)	3
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Color

CIELCh(45, 10.095, 44.561)

Conversions

Conversions Part 1

Format	Color
Hex	7B665F
RGB	123, 102, 95
RGB Percent	48%, 40%, 37%
CMY	0.5176, 0.6000, 0.6274
CMYK	0.00, 0.17, 0.23, 0.52
HSL	15°, 13%, 43%
HSV	15°, 23%, 48%
XYZ	14.9871, 14.5417, 12.8449
YIQ	107.4810, 14.7630, 2.2750

Conversions

Conversions Part 2

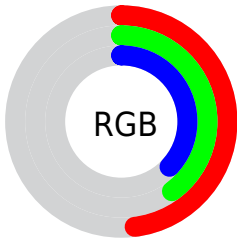
Format	Color
R_{YB}	123, 104, 95
Decimal	8087135
CIE _{Lab}	45.00, 7.19, 7.08
CIE _{LCh}	45, 10.095, 44.561
Yxy	14.5417, 0.3537, 0.3432
Android (android.graphics.Color)	4286277215 (0xFF7B665F)
YUV	107.4810, -6.1531, 13.6102
Hunter-Lab	38.1336, 3.4194, 6.7222

Details

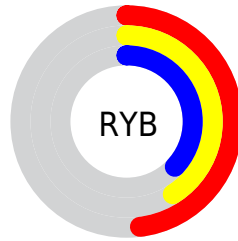
The CIELCh color **45, 10.095, 44.561** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 8.798, 226.858**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 10.253, 45.597**, and **25, 10.242, 43.324** is the 20% darker color. If you saturate the color by 10%, you get **42, 15.108, 44.367**, and if you desaturate by 10%, it is **48, 5.446, 44.854**.

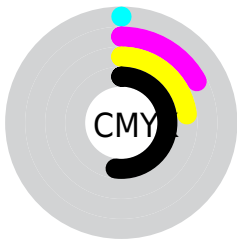
Distribution



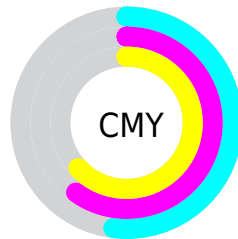
- Red (48%)
- Green (40%)
- Blue (37%)



- Red (48%)
- Yellow (41%)
- Blue (37%)



- Cyan (0%)
- Magenta (17%)
- Yellow (23%)
- Black (52%)



- Cyan (52%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 10.095, 44.561 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, 10.095, 44.561 by changing the saturation by 10% instead.

■ 45, 10.095, 44.561

■ 45, 10.095, 44.561

■ 100, 10.095,
44.561

■ 35, 10.095, 44.561

■ 65, 10.095, 44.561

■ 25, 10.095, 44.561

■ 75, 10.095, 44.561

■ 15, 10.095, 44.561

■ 85, 10.095, 44.561

■ 5, 10.095, 44.561

■ 95, 10.095, 44.561

■ 0, 10.095, 44.561

■ 45, 10.095, 44.561

■ 45, 10.095, 44.561

■ 42, 15.108, 44.367

■ 48, 5.446, 44.854

■ 39, 20.506, 44.282

■ 51, 1.134, 44.987

37, 26.290, 44.342

54, 2.873, 225.886

34, 32.427, 44.561

57, 6.608, 226.298

32, 38.821, 44.920

60, 10.102,
226.789

30, 45.250, 45.320

63, 13.383,
227.304

28, 51.193, 45.455

27, 54.975, 45.466

66, 16.476,
227.831

69, 19.405,
228.359

72, 22.190,
228.884

Harmonies

Complementary

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



45, 10.095, 44.561



47, 8.798, 226.858

Rectangle

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



45, 10.095, 44.561



45, 10.095, 94.561



45, 10.095, 224.561



45, 10.095, 274.561

Sweetspot

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



45, 10.094, 44.571



64, 3.638, 45.009



44, 16.915, 333.784



33, 2.386, 44.999



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 10.094, 44.571



56, 15.184, 44.458



49, 12.632, 94.604



24, 2.360, 44.962



28, 55.722, 45.506



56, 96.932, 44.704

Inverse Universe

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



47, 8.798, 226.858



60, 12.799, 227.282



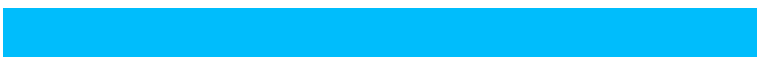
43, 12.819, 280.221



25, 2.244, 225.977



37, 26.741, 244.561



72, 45.658, 247.258

Previews

White Background



This preview shows how the CIELCh color 45, 10.095, 44.561 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 CIELCh color 45, 10.095, 44.561 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, 10.095, 44.561

Background



This preview shows how black text looks on a background with the CIELCh color 45, 10.095, 44.561.



This preview shows how white text looks on a background with the CIELCh color 45, 10.095, 44.561.

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, 10.095, 44.561

Protanopia

45, 5.749, 87.645

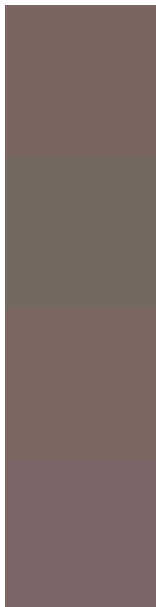
Deuteranopia

45, 9.194, 51.132



Tritanopia
45, 11.463, 356.500

Trichromacy



Original Color
45, 10.095, 44.561

Protanomaly
45, 6.868, 70.618

Deuteranomaly
45, 9.579, 49.792

Tritanomaly
45, 9.835, 13.750

Monochromacy



Original Color
45, 10.095, 44.561

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 3.551, 39.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 10.095, 44.561 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(123, 102, 95)` looks like.

```
.text, #text, p{  
    color:rgb(123, 102, 95)  
}
```

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(123, 102, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 102, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 10.095, 44.561 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(123, 102, 95) }
```

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

```
.border{ border-color:rgb(123, 102, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 102, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 102, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 102, 95);  
box-shadow:4px 4px 4px 4px rgb(123, 102,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 10.095, 44.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 102, 95) }
```

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

```
.background{ background-color: rgb(123,  
102, 95) }
```

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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