

Converting Colors

CIELCh(44, 9.520, 44.582)

Have a look what the booklet for
CIELCh(44, 9.520, 44.582) contains.

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Color

CIELCh(44, 9.730, 45.598)

Conversions

Conversions Part 1

Format	Color
Hex	78645D
RGB	120, 100, 93
RGB Percent	47%, 39%, 36%
CMY	0.5303, 0.6087, 0.6361
CMYK	0.00, 0.17, 0.23, 0.53
HSL	16°, 13%, 42%
HSV	16°, 23%, 47%
XYZ	14.2191, 13.8382, 12.2295
YIQ	105.1820, 14.1670, 2.0630

Conversions

Conversions Part 2

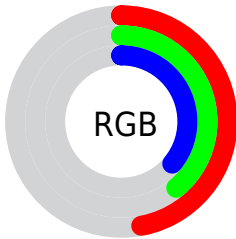
Format	Color
R_{YB}	120, 102, 93
Decimal	7890013
CIE Lab	44.00, 6.81, 6.95
CIE LCh	44, 9.730, 45.598
Yxy	13.8382, 0.3529, 0.3435
Android (android.graphics.Color)	4286080093 (0xFF78645D)
YUV	105.1820, -6.0057, 12.9954
Hunter-Lab	37.1997, 3.1296, 6.5482

Details

The CIELCh color $44, 9.730, 45.598$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 8.512, 228.062$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 9.912, 46.588$, and $24, 9.848, 44.379$ is the 20% darker color. If you saturate the color by 10%, you get $41, 14.602, 45.351$, and if you desaturate by 10%, it is $47, 5.209, 45.938$.

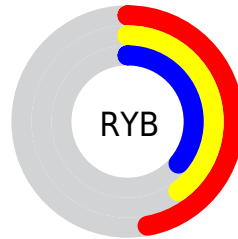
Distribution



Red (47%)

Green (39%)

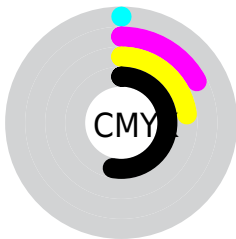
Blue (36%)



Red (47%)

Yellow (40%)

Blue (36%)

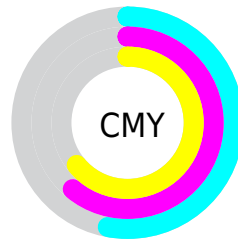


Cyan (0%)

Magenta (17%)

Yellow (23%)

Black (53%)



Cyan (53%)

Magenta (61%)








Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 9.730, 45.598 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 44, 9.730, 45.598 by changing the saturation by 10% instead.

 44, 9.730, 45.598	 44, 9.730, 45.598
 100, 9.730, 45.598	 34, 9.730, 45.598
 64, 9.730, 45.598	 24, 9.730, 45.598
 74, 9.730, 45.598	 14, 9.730, 45.598
 84, 9.730, 45.598	 4, 9.730, 45.598
 94, 9.730, 45.598	 0, 9.730, 45.598

 44, 9.730, 45.598	 44, 9.730, 45.598
 41, 14.602, 45.351	 47, 5.209, 45.938
 39, 19.845, 45.205	 50, 1.012, 46.084
 36, 25.462, 45.196	 52, 2.892, 227.048

■ 34, 31.424, 45.335

■ 55, 6.534, 227.498

■ 31, 37.643, 45.603

■ 58, 9.944, 228.022

■ 29, 43.908, 45.908

■ 61, 13.149,
228.568

■ 28, 49.715, 45.939

■ 64, 16.175,
229.122

■ 27, 53.513, 45.844

■ 67, 19.043,
229.677

■ 70, 21.771,
230.227

Harmonies

Complementary

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



44, 9.730, 45.598



46, 8.512, 228.062

Rectangle

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



44, 9.730, 45.598



44, 9.730, 95.598



44, 9.730, 225.598



44, 9.730, 275.598

Sweetspot

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



44, 9.729, 45.608



62, 3.532, 46.108



43, 16.381, 333.764



32, 2.316, 46.097



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 9.729, 45.608



55, 14.729, 45.464



48, 12.233, 94.639



23, 2.269, 46.055



27, 54.525, 45.902



56, 95.739, 45.074

Inverse Universe

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



46, 8.512, 228.062



58, 12.449, 228.529



42, 12.410, 280.176



24, 2.160, 227.138



36, 26.586, 246.320



71, 45.822, 249.155

Previews

White Background



This preview shows how the CIELCh color 44, 9.730, 45.598 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 44, 9.730, 45.598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

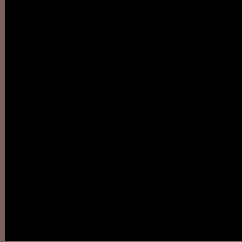
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 9.730, 45.598

Background



This preview shows how black text looks on a background with the CIELCh color 44, 9.730, 45.598.



This preview shows how white text looks on a background with the CIELCh color 44, 9.730, 45.598.

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

44, 9.730, 45.598

Protanopia

44, 5.625, 91.702

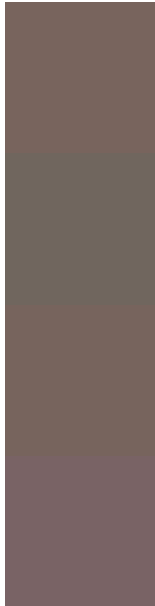
Deuteranopia

44, 8.927, 47.982



Tritanopia
44, 10.736, 354.503

Trichromacy



Original Color

44, 9.730, 45.598

Protanomaly

44, 6.441, 67.414

Deuteranomaly

44, 9.326, 46.737

Tritanomaly

44, 9.440, 13.396

Monochromacy



Original Color

44, 9.730, 45.598

Achromatopsia

44, 0.006, 296.813

Achromatomaly

44, 3.166, 41.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 9.730, 45.598 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(120, 100, 93)` looks like.

```
.text, #text, p{  
    color:rgb(120, 100, 93)  
}
```

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(120, 100, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 100, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 9.730, 45.598 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(120, 100, 93) }
```

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

```
.border{ border-color:rgb(120, 100, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 100, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 100, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 100, 93);  
box-shadow:4px 4px 4px 4px rgb(120, 100,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 9.730, 45.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 100, 93) }
```

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

```
.background{ background-color: rgb(120,  
100, 93) }
```

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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