

Converting Colors

CIELCh(45, 7.796, 141.930)

Have a look what the booklet for
CIELCh(45, 7.796, 141.930) contains.

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Color

CIELCh(45, 7.790, 141.491)

Conversions

Conversions Part 1

Format	Color
Hex	636D62
RGB	99, 109, 98
RGB Percent	39%, 43%, 38%
CMY	0.6108, 0.5716, 0.6147
CMYK	0.09, 0.00, 0.10, 0.57
HSL	115°, 5%, 41%
HSV	115°, 10%, 43%
XYZ	12.8823, 14.5417, 13.7423
YIQ	104.7560, -2.4290, -5.5410

Conversions

Conversions Part 2

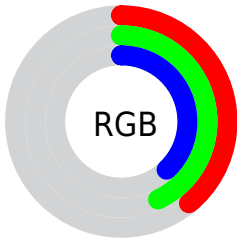
Format	Color
R _Y B	98, 109, 108
Decimal	6516066
CIE Lab	45.00, -6.10, 4.85
CIE LCh	45, 7.790, 141.491
Yxy	14.5417, 0.3129, 0.3532
Android (android.graphics.Color)	4284706146 (0xFF636D62)
YUV	104.7560, -3.3307, -5.0480
Hunter-Lab	38.1336, -6.4330, 5.3270

Details

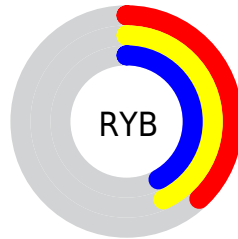
The CIELCh color **45, 7.790, 141.491** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 7.816, 322.416**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 7.253, 141.653**, and **25, 8.052, 143.598** is the 20% darker color. If you saturate the color by 10%, you get **44, 15.592, 140.912**, and if you desaturate by 10%, it is **46, 0.052, 144.902**.

Distribution



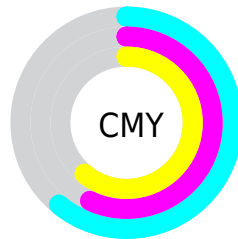
- Red (39%)
- Green (43%)
- Blue (38%)



- Red (38%)
- Yellow (43%)
- Blue (42%)



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)
- Black (57%)



- Cyan (61%)
- Magenta (57%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 7.790, 141.491 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, 7.790, 141.491 by changing the saturation by 10% instead.

■ 45, 7.790, 141.491

■ 45, 7.790, 141.491

■ 100, 7.790,
141.491

■ 35, 7.790, 141.491

■ 65, 7.790, 141.491

■ 25, 7.790, 141.491

■ 75, 7.790, 141.491

■ 15, 7.790, 141.491

■ 85, 7.790, 141.491

■ 5, 7.790, 141.491

■ 95, 7.790, 141.491

■ 0, 7.790, 141.491

■ 45, 7.790, 141.491

■ 45, 7.790, 141.491

■ 44, 15.592,
140.912

■ 46, 0.052, 144.902

■ 43, 23.370,

■ 47, 7.567, 322.370

140.256

■ 49, 15.023,
322.743

■ 42, 31.014,
139.520

■ 50, 22.291,
323.057

■ 42, 38.375,
138.715

■ 51, 29.355,
323.325

■ 41, 45.264,
137.872

■ 53, 36.210,
323.553

■ 40, 51.444,
137.049

■ 55, 42.855,
323.748

■ 40, 56.633,
136.339

■ 56, 49.295,
323.915

■ 40, 60.540,
135.856

■ 58, 55.536,
324.058

■ 40, 63.545,
135.315

Harmonies

Complementary

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



45, 7.790, 141.491



43, 7.816, 322.416

Rectangle

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



45, 7.790, 141.491



45, 7.790, 191.491



45, 7.790, 321.491



45, 7.790, 11.491

Sweetspot

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



45, 7.791, 141.492



59, 2.872, 141.889



46, 5.885, 104.804



30, 2.164, 141.844



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 7.791, 141.492



58, 11.575, 141.367



45, 6.017, 157.941



22, 4.272, 141.554



43, 66.893, 135.369



85, 115.622, 135.696

Inverse Universe

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



43, 7.816, 322.416



55, 11.614, 322.525



43, 6.067, 339.312



21, 4.285, 322.361



25, 65.476, 324.835



54, 112.723, 324.640

Previews

White Background



This preview shows how the CIELCh color 45, 7.790, 141.491 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, 7.790, 141.491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

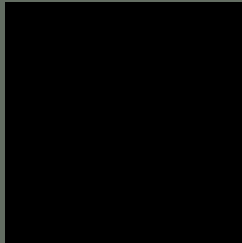
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

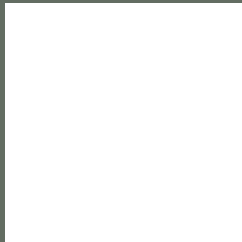
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 7.790, 141.491

Background



This preview shows how black text looks on a background with the CIELCh color 45, 7.790, 141.491.



This preview shows how white text looks on a background with the CIELCh color 45, 7.790, 141.491.

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, 7.790, 141.491

Protanopia

45, 5.749, 87.645

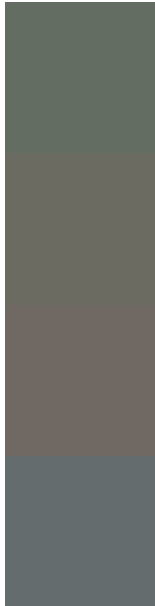
Deuteranopia

45, 7.064, 34.722



Tritanopia
45, 5.124, 268.283

Trichromacy



Original Color

45, 7.790, 141.491

Protanomaly

45, 5.938, 109.327

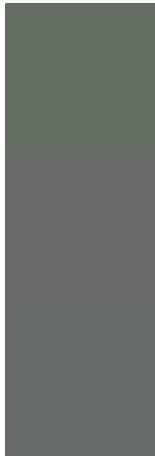
Deuteranomaly

45, 4.634, 69.810

Tritanomaly

45, 2.862, 211.247

Monochromacy



Original Color

45, 7.790, 141.491

Achromatopsia

44, 0.006, 296.813

Achromatomaly

45, 2.911, 144.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 7.790, 141.491 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(99, 109, 98)` looks like.

```
.text, #text, p{  
    color:rgb(99, 109, 98)  
}
```

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(99, 109, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 109, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 7.790, 141.491 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(99, 109, 98) }
```

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

```
.border{ border-color:rgb(99, 109, 98) }
```

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

Here you see how a box with a 4 pixel rgb(99, 109, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 109, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 109, 98);  
box-shadow:4px 4px 4px 4px rgb(99, 109,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 7.790, 141.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 109, 98) }
```

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

```
.background{ background-color: rgb(99, 109,  
98) }
```

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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