

Converting Colors

CIELCh(45, 7.953, 71.190)

Have a look what the booklet for
CIELCh(45, 7.953, 71.190) contains.

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Color

CIELCh(45, 8.102, 73.178)

Conversions

Conversions Part 1

Format	Color
Hex	74695E
RGB	116, 105, 94
RGB Percent	45%, 41%, 37%
CMY	0.5462, 0.5893, 0.6325
CMYK	0.00, 0.09, 0.19, 0.55
HSL	30°, 10%, 41%
HSV	30°, 19%, 45%
XYZ	14.1945, 14.5417, 12.5828
YIQ	107.0350, 10.0870, -1.0890

Conversions

Conversions Part 2

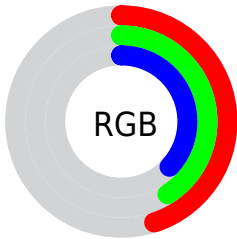
Format	Color
R_{YB}	116, 116, 94
Decimal	7629150
CIE Lab	45.00, 2.34, 7.76
CIE LCh	45, 8.102, 73.178
Yxy	14.5417, 0.3435, 0.3519
Android (android.graphics.Color)	4285819230 (0xFF74695E)
YUV	107.0350, -6.4263, 7.8623
Hunter-Lab	38.1336, -0.2904, 7.1299

Details

The CIELCh color **45, 8.102, 73.178** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 7.731, 258.000**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 8.186, 73.664**, and **25, 8.230, 72.192** is the 20% darker color. If you saturate the color by 10%, you get **43, 12.648, 72.009**, and if you desaturate by 10%, it is **47, 3.753, 74.330**.

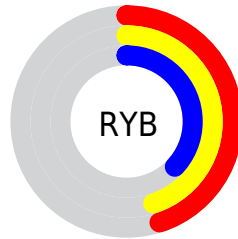
Distribution



Red (45%)

Green (41%)

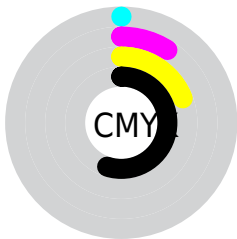
Blue (37%)



Red (45%)

Yellow (45%)

Blue (37%)

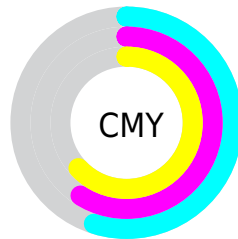


Cyan (0%)

Magenta (9%)

Yellow (19%)

Black (55%)



Cyan (55%)

Magenta (59%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 8.102, 73.178 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, 8.102, 73.178 by changing the saturation by 10% instead.

 45, 8.102, 73.178  45, 8.102, 73.178

 100, 8.102, 73.178  35, 8.102, 73.178

 65, 8.102, 73.178  25, 8.102, 73.178

 75, 8.102, 73.178  15, 8.102, 73.178

 85, 8.102, 73.178  5, 8.102, 73.178

 95, 8.102, 73.178  0, 8.102, 73.178

 45, 8.102, 73.178  45, 8.102, 73.178

 43, 12.648, 72.009  47, 3.753, 74.330

 41, 17.397, 70.812  49, 0.412, 256.148

 39, 22.343, 69.604  51, 4.411, 256.733

■ 38, 27.450, 68.377

■ 53, 8.259, 257.800

■ 36, 32.630, 67.100

■ 55, 11.973,
258.847

■ 34, 37.699, 65.702

■ 57, 15.568,
259.860

■ 33, 42.303, 64.026

■ 31, 46.643, 62.366

■ 59, 19.056,
260.833

■ 31, 47.112, 62.245

■ 61, 22.450,
261.765

■ 63, 25.760,
262.655

Harmonies

Complementary

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



45, 8.102, 73.178



44, 7.731, 258.000

Rectangle

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



45, 8.102, 73.178



45, 8.102, 123.178



45, 8.102, 253.178



45, 8.102, 303.178

Sweetspot

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



45, 8.102, 73.190



61, 3.081, 74.631



42, 11.304, 345.205



32, 2.062, 74.582



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 8.102, 73.190



57, 12.286, 72.651



48, 12.849, 108.432



24, 2.373, 74.326



33, 49.174, 62.050



66, 84.272, 59.840

Inverse Universe

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



44, 7.731, 258.000



55, 11.572, 258.731



41, 13.393, 292.184



23, 2.327, 256.611



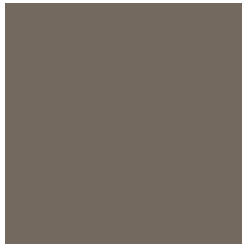
26, 40.522, 282.326



54, 72.488, 284.992

Previews

White Background



This preview shows how the CIELCh color 45, 8.102, 73.178 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, 8.102, 73.178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

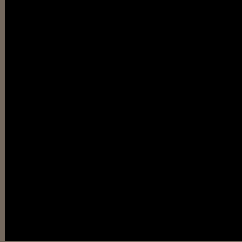
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 8.102, 73.178

Background



This preview shows how black text looks on a background with the CIELCh color 45, 8.102, 73.178.

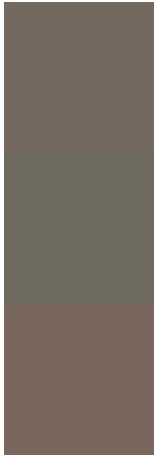


This preview shows how white text looks on a background with the CIELCh color 45, 8.102, 73.178.

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, 8.102, 73.178

Protanopia

45, 7.441, 92.342

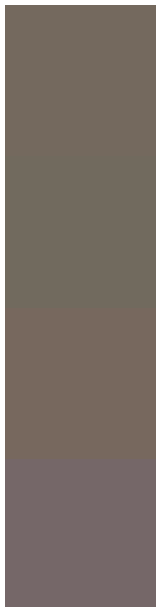
Deuteranopia

45, 9.542, 54.036



Tritanopia
45, 8.153, 344.715

Trichromacy



Original Color
45, 8.102, 73.178

Protanomaly
45, 7.738, 86.169

Deuteranomaly
45, 8.857, 61.840

Tritanomaly
45, 5.911, 14.341

Monochromacy



Original Color
45, 8.102, 73.178

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 2.896, 74.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 8.102, 73.178 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(116, 105, 94)` looks like.

```
.text, #text, p{  
    color:rgb(116, 105, 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(116, 105, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 105, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 8.102, 73.178 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(116, 105, 94) }
```

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

```
.border{ border-color:rgb(116, 105, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 105, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 105, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 105, 94);  
box-shadow:4px 4px 4px 4px rgb(116, 105,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 8.102, 73.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 105, 94) }
```

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

```
.background{ background-color: rgb(116,  
105, 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](#).

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