

Converting Colors

CIELCh(45, 3.973, 69.497)

Have a look what the booklet for
CIELCh(45, 3.973, 69.497) contains.

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Color

CIELCh(45, 4.186, 64.756)

Conversions

Conversions Part 1

Format	Color
Hex	706964
RGB	112, 105, 100
RGB Percent	44%, 41%, 39%
CMY	0.5598, 0.5872, 0.6068
CMYK	0.00, 0.06, 0.11, 0.56
HSL	25°, 6%, 42%
HSV	25°, 11%, 44%
XYZ	14.1049, 14.5417, 14.1842
YIQ	106.5230, 5.7770, -0.0710

Conversions

Conversions Part 2

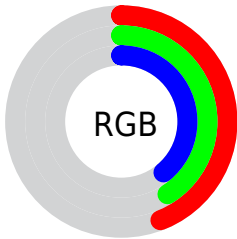
Format	Color
R_{YB}	112, 109, 100
Decimal	7367012
CIE _{Lab}	45.00, 1.79, 3.79
CIE _{LCh}	45, 4.186, 64.756
Yxy	14.5417, 0.3293, 0.3395
Android (android.graphics.Color)	4285557092 (0xFF706964)
YUV	106.5230, -3.2158, 4.8033
Hunter-Lab	38.1336, -0.7100, 4.6399

Details

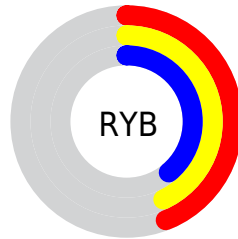
The CIELCh color **45, 4.186, 64.756** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 4.031, 247.167**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 4.163, 61.178**, and **25, 4.349, 68.572** is the 20% darker color. If you saturate the color by 10%, you get **43, 8.337, 63.809**, and if you desaturate by 10%, it is **47, 0.260, 64.764**.

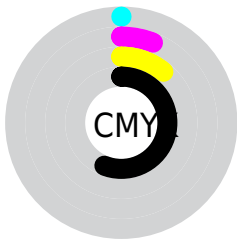
Distribution



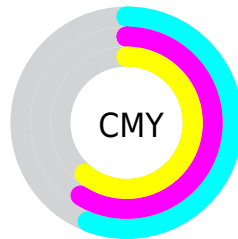
- Red (44%)
- Green (41%)
- Blue (39%)



- Red (44%)
- Yellow (43%)
- Blue (39%)



- Cyan (0%)
- Magenta (6%)
- Yellow (11%)
- Black (56%)








- Cyan (56%)
- Magenta (59%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 4.186, 64.756 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, 4.186, 64.756 by changing the saturation by 10% instead.

 45, 4.186, 64.756	 45, 4.186, 64.756
 100, 4.186, 64.756	 35, 4.186, 64.756
 65, 4.186, 64.756	 25, 4.186, 64.756
 75, 4.186, 64.756	 15, 4.186, 64.756
 85, 4.186, 64.756	 5, 4.186, 64.756
 95, 4.186, 64.756	 0, 4.186, 64.756

 45, 4.186, 64.756	 45, 4.186, 64.756
 43, 8.337, 63.809	 47, 0.260, 64.764
 41, 12.734, 62.834	 49, 3.462, 246.935
 39, 17.390, 61.877	 52, 7.002, 247.881

■ 37, 22.306, 60.946

■ 54, 10.381,
248.837

■ 35, 27.458, 60.038

■ 56, 13.618,
249.774

■ 33, 32.769, 59.120

■ 31, 38.063, 58.110

■ 58, 16.729,
250.685

■ 29, 42.982, 56.819

■ 61, 19.729,
251.567

■ 28, 47.305, 55.682

■ 63, 22.630,
252.417

■ 65, 25.445,
253.233

Harmonies

Complementary

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



45, 4.186, 64.756



45, 4.031, 247.167

Rectangle

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



45, 4.186, 64.756



45, 4.186, 114.756



45, 4.186, 244.756



45, 4.186, 294.756

Sweetspot

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



45, 4.186, 64.777



59, 1.418, 65.371



44, 6.512, 340.163



31, 1.086, 65.345



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 4.186, 64.777



57, 6.338, 64.525



47, 6.499, 105.549



22, 2.190, 64.935



30, 49.953, 55.617



61, 87.166, 53.554

Inverse Universe

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



45, 4.031, 247.167



57, 6.038, 247.482



43, 6.627, 287.721



22, 2.123, 246.978



29, 33.814, 272.553



59, 60.506, 275.586

Previews

White Background



This preview shows how the CIELCh color 45, 4.186, 64.756 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, 4.186, 64.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

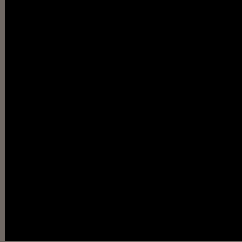
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

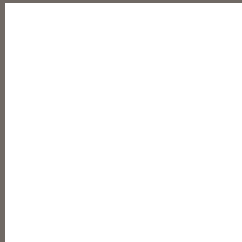
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 4.186, 64.756

Background



This preview shows how black text looks on a background with the CIELCh color 45, 4.186, 64.756.



This preview shows how white text looks on a background with the CIELCh color 45, 4.186, 64.756.

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

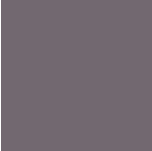
45, 4.186, 64.756

Protanopia

45, 3.403, 80.155

Deuteranopia

45, 6.912, 30.038



Tritanopia
45, 6.302, 331.012

Trichromacy



Original Color
45, 4.186, 64.756

Protanomaly
45, 3.629, 74.319

Deuteranomaly
45, 5.798, 37.829

Tritanomaly
45, 4.427, 347.351

Monochromacy



Original Color
45, 4.186, 64.756

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 1.369, 45.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 4.186, 64.756 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(112, 105, 100)` looks like.

```
.text, #text, p{  
    color:rgb(112, 105, 100)  
}
```

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(112, 105, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 105, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 4.186, 64.756 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(112, 105, 100) }
```

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

```
.border{ border-color:rgb(112, 105, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 105, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 105, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 105, 100);  
box-shadow:4px 4px 4px 4px rgb(112, 105,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 4.186, 64.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 105, 100) }
```

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

```
.background{ background-color: rgb(112,  
105, 100) }
```

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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