

Converting Colors

CIELCh(45, 7.096, 20.244)

Have a look what the booklet for
CIELCh(45, 7.096, 20.244) contains.

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Color

CIELCh(45, 6.761, 20.202)

Conversions

Conversions Part 1

Format	Color
Hex	776767
RGB	119, 103, 103
RGB Percent	47%, 40%, 40%
CMY	0.5342, 0.5969, 0.5969
CMYK	0.00, 0.13, 0.13, 0.53
HSL	0°, 7%, 43%
HSV	0°, 13%, 47%
XYZ	14.8464, 14.5417, 14.8022
YIQ	107.7840, 9.5360, 3.3920

Conversions

Conversions Part 2

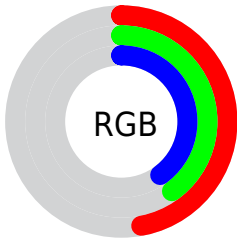
Format	Color
R_{YB}	119, 103, 103
Decimal	7825255
CIE Lab	45.00, 6.35, 2.33
CIE LCh	45, 6.761, 20.202
Yxy	14.5417, 0.3360, 0.3291
Android (android.graphics.Color)	4286015335 (0xFF776767)
YUV	107.7840, -2.3585, 9.8364
Hunter-Lab	38.1336, 2.7610, 3.6791

Details

The CIELCh color $45, 6.761, 20.202$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 6.228, 198.786$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 6.645, 19.958$, and $25, 6.612, 20.625$ is the 20% darker color. If you saturate the color by 10%, you get $41, 12.229, 21.073$, and if you desaturate by 10%, it is $49, 1.676, 19.390$.

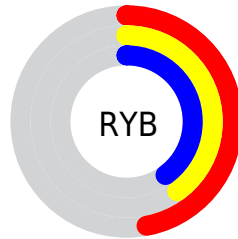
Distribution



Red (47%)

Green (40%)

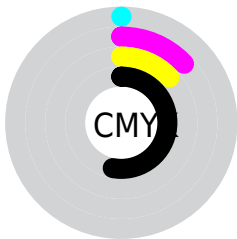
Blue (40%)



Red (47%)

Yellow (40%)

Blue (40%)

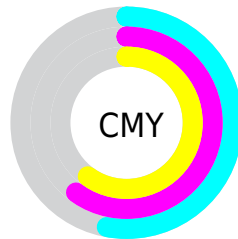


Cyan (0%)

Magenta (13%)

Yellow (13%)

Black (53%)



Cyan (53%)

Magenta (60%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 6.761, 20.202 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, 6.761, 20.202 by changing the saturation by 10% instead.

 45, 6.761, 20.202  45, 6.761, 20.202

 100, 6.761, 20.202  35, 6.761, 20.202

 65, 6.761, 20.202  25, 6.761, 20.202

 75, 6.761, 20.202  15, 6.761, 20.202

 85, 6.761, 20.202  5, 6.761, 20.202

 95, 6.761, 20.202  0, 6.761, 20.202

 45, 6.761, 20.202  45, 6.761, 20.202

 41, 12.229, 21.073  49, 1.676, 19.390

 38, 18.079, 22.158  52, 3.042, 199.222

 35, 24.274, 23.553  56, 7.422, 198.736

■ 32, 30.730, 25.353

■ 60, 11.498,
198.386

■ 29, 37.309, 27.651

■ 64, 15.303,
198.107

■ 27, 43.815, 30.503

■ 25, 49.975, 33.820

■ 67, 18.869,
197.880

■ 24, 54.870, 36.527

■ 71, 22.225,
197.693

■ 23, 57.564, 37.706

■ 75, 25.396,
197.537

■ 79, 28.406,
197.406

Harmonies

Complementary

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



45, 6.761, 20.202



49, 6.228, 198.786

Rectangle

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



45, 6.761, 20.202



45, 6.761, 70.202



45, 6.761, 200.202



45, 6.761, 250.202

Sweetspot

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



45, 6.760, 20.213



62, 2.418, 19.463



45, 11.526, 325.129



32, 1.736, 19.527



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 6.760, 20.213



57, 10.129, 20.448



47, 5.793, 73.811



23, 2.750, 19.874



24, 59.040, 37.991



52, 102.985, 40.001

Inverse Universe

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



49, 6.228, 198.786



62, 9.156, 198.633



46, 5.612, 257.182



24, 2.605, 199.036



46, 29.105, 196.405



89, 49.344, 196.406

Previews

White Background



This preview shows how the CIELCh color 45, 6.761, 20.202 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, 6.761, 20.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

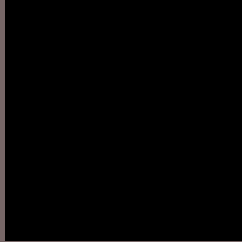
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 6.761, 20.202

Background



This preview shows how black text looks on a background with the CIELCh color 45, 6.761, 20.202.



This preview shows how white text looks on a background with the CIELCh color 45, 6.761, 20.202.

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, 6.761, 20.202

Protanopia

45, 1.369, 45.018

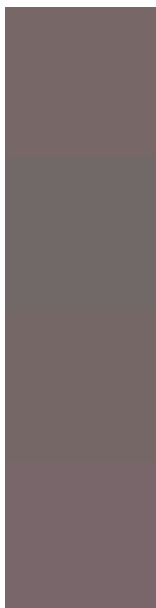
Deuteranopia

45, 6.330, 20.144



Tritanopia
45, 8.840, 348.016

Trichromacy



Original Color
45, 6.761, 20.202

Protanomaly
45, 3.390, 29.783

Deuteranomaly
45, 6.330, 20.144

Tritanomaly
45, 8.081, 358.892

Monochromacy



Original Color
45, 6.761, 20.202

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 2.486, 19.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 6.761, 20.202 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(119, 103, 103)` looks like.

```
.text, #text, p{  
    color:rgb(119, 103, 103)  
}
```

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(119, 103, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 103, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 6.761, 20.202 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(119, 103, 103) }
```

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

```
.border{ border-color:rgb(119, 103, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 103, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 103, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 103, 103);  
box-shadow:4px 4px 4px 4px rgb(119, 103,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 6.761, 20.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 103, 103) }
```

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

```
.background{ background-color: rgb(119,  
103, 103) }
```

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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