

Converting Colors

CIELCh(45, 5.924, 20.174)

Have a look what the booklet for
CIELCh(45, 5.924, 20.174) contains.

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Color

CIELCh(45, 5.900, 20.086)

Conversions

Conversions Part 1

Format	Color
Hex	756767
RGB	117, 103, 103
RGB Percent	46%, 40%, 40%
CMY	0.5401, 0.5950, 0.5950
CMYK	0.00, 0.12, 0.12, 0.54
HSL	0°, 6%, 43%
HSV	0°, 12%, 46%
XYZ	14.7138, 14.5417, 14.9358
YIQ	107.1860, 8.3440, 2.9680

Conversions

Conversions Part 2

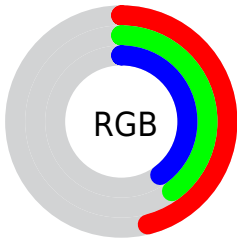
Format	Color
RYB	117, 103, 103
Decimal	7694183
CIELab	45.00, 5.54, 2.03
CIELCh	45, 5.900, 20.086
Yxy	14.5417, 0.3330, 0.3291
Android (android.graphics.Color)	4285884263 (0xFF756767)
YUV	107.1860, -2.0637, 8.6069
Hunter-Lab	38.1336, 2.1404, 3.4713

Details

The CIELCh color $45, 5.900, 20.086$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 5.488, 198.874$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 5.851, 19.875$, and $25, 6.129, 20.529$ is the 20% darker color. If you saturate the color by 10%, you get $41, 11.251, 20.931$, and if you desaturate by 10%, it is $49, 0.925, 19.129$.

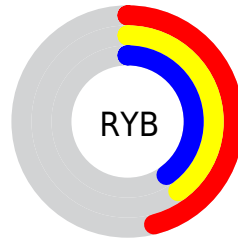
Distribution



Red (46%)

Green (40%)

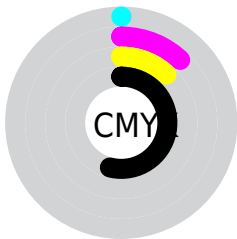
Blue (40%)



Red (46%)

Yellow (40%)

Blue (40%)

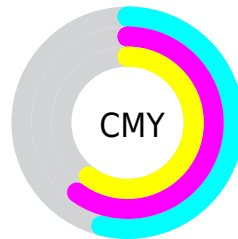


Cyan (0%)

Magenta (12%)

Yellow (12%)

Black (54%)



Cyan (54%)


Magenta (60%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 5.900, 20.086 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, 5.900, 20.086 by changing the saturation by 10% instead.

 45, 5.900, 20.086  45, 5.900, 20.086

 100, 5.900, 20.086  35, 5.900, 20.086

 65, 5.900, 20.086  25, 5.900, 20.086

 75, 5.900, 20.086  15, 5.900, 20.086

 85, 5.900, 20.086  5, 5.900, 20.086

 95, 5.900, 20.086  0, 5.900, 20.086

 45, 5.900, 20.086  45, 5.900, 20.086

 41, 11.251, 20.931  49, 0.925, 19.129

 38, 16.983, 21.974  52, 3.691, 199.135

 35, 23.063, 23.312  56, 7.978, 198.682

■ 32, 29.419, 25.038

■ 60, 11.968,
198.345

■ 29, 35.921, 27.248

■ 64, 15.697,
198.076

■ 27, 42.387, 30.007

■ 25, 48.562, 33.261

■ 67, 19.193,
197.856

■ 24, 53.663, 36.136

■ 71, 22.486,
197.674

■ 23, 56.943, 37.580

■ 75, 25.600,
197.522

■ 78, 28.557,
197.395

Harmonies

Complementary

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



45, 5.900, 20.086



48, 5.488, 198.874

Rectangle

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



45, 5.900, 20.086



45, 5.900, 70.086



45, 5.900, 200.086



45, 5.900, 250.086

Sweetspot

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



45, 5.899, 20.098



61, 2.385, 19.466



45, 10.109, 325.047



31, 1.689, 19.529



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, 5.899, 20.098



57, 8.676, 20.286



47, 5.068, 73.986



23, 2.750, 19.878



24, 59.040, 37.992



52, 102.984, 40.001

Inverse Universe

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



48, 5.488, 198.874



62, 7.949, 198.744



46, 4.930, 256.972



24, 2.605, 199.040



46, 29.103, 196.413



89, 49.341, 196.414

Previews

White Background



This preview shows how the CIELCh color 45, 5.900, 20.086 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, 5.900, 20.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

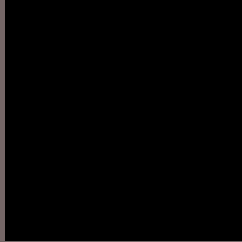
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 5.900, 20.086

Background



This preview shows how black text looks on a background with the CIELCh color 45, 5.900, 20.086.



This preview shows how white text looks on a background with the CIELCh color 45, 5.900, 20.086.

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, 5.900, 20.086

Protanopia

45, 1.369, 45.018

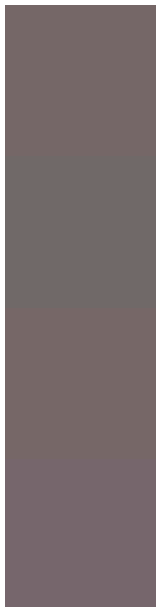
Deuteranopia

45, 6.330, 20.144



Tritanopia
45, 8.153, 344.715

Trichromacy



Original Color

45, 5.900, 20.086

Protanomaly

45, 2.975, 31.151

Deuteranomaly

45, 6.330, 20.144

Tritanomaly

45, 7.549, 352.155

Monochromacy



Original Color

45, 5.900, 20.086

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 2.068, 19.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 5.900, 20.086 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(117, 103, 103)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 103, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 103, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 5.900, 20.086 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(117, 103, 103) }
```

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

```
.border{ border-color:rgb(117, 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(117, 103, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 103, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 103, 103);  
box-shadow:4px 4px 4px 4px rgb(117, 103,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 5.900, 20.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 103, 103) }
```

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

```
.background{ background-color: rgb(117,  
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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