

Converting Colors

CIELCh(55, 45.063, 25.215)

Have a look what the booklet for
CIELCh(55, 45.063, 25.215) contains.

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Color

CIELCh(55, 45.063, 25.215)

Conversions

Conversions Part 1

Format	Color
Hex	CC6565
RGB	204, 101, 101
RGB Percent	80%, 40%, 40%
CMY	0.2019, 0.6055, 0.6054
CMYK	0.00, 0.51, 0.51, 0.20
HSL	360°, 50%, 60%
HSV	360°, 51%, 80%
XYZ	31.7161, 22.9298, 14.9663
YIQ	131.7970, 61.3880, 21.8360

Conversions

Conversions Part 2

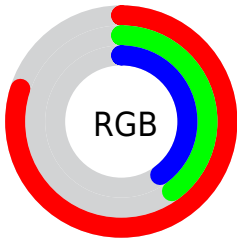
Format	Color
RYB	204, 101, 101
Decimal	13395301
CIELab	55.00, 40.77, 19.20
CIElCh	55, 45.063, 25.215
Yxy	22.9298, 0.4556, 0.3294
Android (android.graphics.Color)	4291585381 (0xFFCC6565)
YUV	131.7970, -15.1829, 63.3220
Hunter-Lab	47.8851, 34.4282, 14.9887

Details

The CIELCh color **55, 45.063, 25.215** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **76, 31.158, 197.135**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 41.269, 24.759**, and **35, 45.194, 25.749** is the 20% darker color. If you saturate the color by 10%, you get **51, 55.269, 27.605**, and if you desaturate by 10%, it is **60, 35.065, 23.372**.

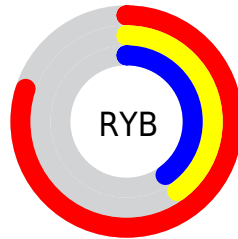
Distribution



Red (80%)

Green (40%)

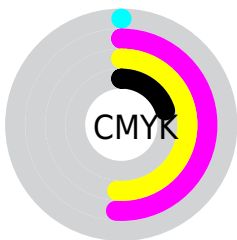
Blue (40%)



Red (80%)

Yellow (40%)

Blue (40%)

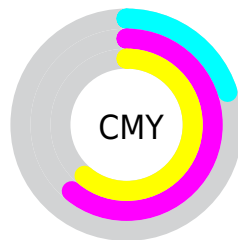


Cyan (0%)

Magenta (51%)

Yellow (51%)

Black (20%)



Cyan (20%)

Magenta (61%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 45.063, 25.215 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 55, 45.063, 25.215 by changing the saturation by 10% instead.

 55, 45.063, 25.215

 55, 45.063, 25.215

 100, 45.063,
25.215

 45, 45.063, 25.215

 75, 45.063, 25.215

 35, 45.063, 25.215

 85, 45.063, 25.215

 25, 45.063, 25.215

 95, 45.063, 25.215

 15, 45.063, 25.215

 5, 45.063, 25.215

 0, 45.063, 25.215

 55, 45.063, 25.215

 55, 45.063, 25.215

 51, 55.269, 27.605

 60, 35.065, 23.372

 47, 65.361, 30.598

 65, 25.511, 21.956

 45, 74.867, 34.087

 70, 16.528, 20.867

 43, 82.896, 37.527


 76, 8.169, 20.004

 42, 88.228, 39.993

 82, 0.429, 18.125

 87, 6.729, 199.007

 93, 13.355,
198.566

 97, 17.018,
198.377

Harmonies

Complementary

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



55, 45.063, 25.215



76, 31.158, 197.135

Rectangle

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



55, 45.063, 25.215



55, 45.063, 75.215



55, 45.063, 205.215



55, 45.063, 255.215

Sweetspot

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



55, 45.061, 25.218



90, 14.168, 20.382



58, 65.238, 326.557



46, 9.748, 20.568



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 45.061, 25.218



63, 66.989, 27.940



66, 36.734, 67.436



40, 4.369, 19.910



34, 75.546, 39.816



4, 17.910, 19.396

Inverse Universe

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



55, 45.061, 25.218



63, 66.989, 27.940



62, 31.202, 263.148



40, 4.369, 19.910



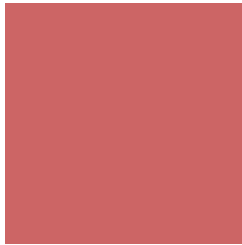
34, 75.546, 39.816



4, 17.910, 19.396

Previews

White Background



This preview shows how the CIELCh color 55, 45.063, 25.215 looks on a white background.

Color Contrast Check

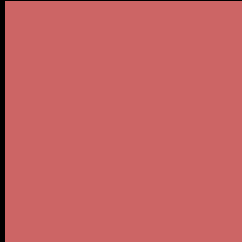
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 45.063, 25.215 looks on a black 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

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

CIELCh 55, 45.063, 25.215

Background



This preview shows how black text looks on a background with the CIELCh color 55, 45.063, 25.215.

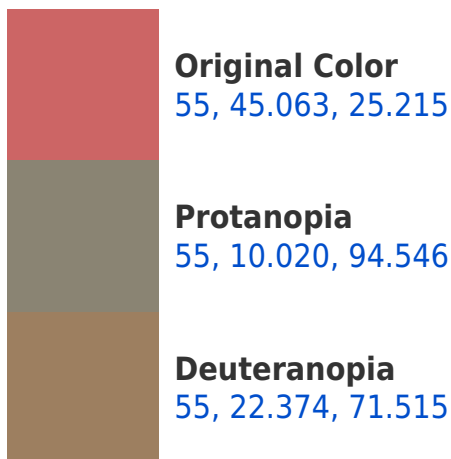


This preview shows how white text looks on a background with the CIELCh color 55, 45.063, 25.215.

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





Tritanopia
55, 44.650, 20.439

Trichromacy



Original Color
55, 45.063, 25.215

Protanomaly
55, 18.916, 40.397

Deuteranomaly
55, 28.059, 44.274

Tritanomaly
55, 44.872, 21.854

Monochromacy



Original Color
55, 45.063, 25.215

Achromatopsia
55, 0.007, 296.813

Achromatomaly
54, 15.476, 21.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 45.063, 25.215 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(204, 101, 101)` looks like.

```
.text, #text, p{  
    color:rgb(204, 101, 101)  
}
```

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(204, 101, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 101, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 45.063, 25.215 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(204, 101, 101) }
```

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

```
.border{ border-color:rgb(204, 101, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 101, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 101, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 101, 101);  
box-shadow:4px 4px 4px 4px rgb(204, 101,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 45.063, 25.215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 101, 101) }
```

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

```
.background{ background-color: rgb(204,  
101, 101) }
```

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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