

Converting Colors

CIELCh(45, 61.715, 24.358)

Have a look what the booklet for
CIELCh(45, 61.715, 24.358) contains.

CIELCh(45, 61.892, 24.043)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 61.892, 24.043)

Conversions

Conversions Part 1

Format	Color
Hex	C33544
RGB	195, 53, 68
RGB Percent	76%, 21%, 27%
CMY	0.2357, 0.7925, 0.7336
CMYK	0.00, 0.73, 0.65, 0.24
HSL	354°, 57%, 49%
HSV	354°, 73%, 76%
XYZ	24.7885, 14.5417, 6.9571
YIQ	97.1680, 79.8170, 34.7690

Conversions

Conversions Part 2

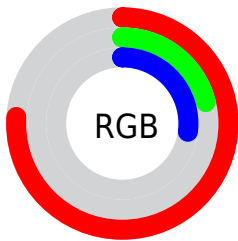
Format	Color
RYB	195, 53, 68
Decimal	12793156
CIELab	45.00, 56.52, 25.22
CIELCh	45, 61.892, 24.043
Yxy	14.5417, 0.5355, 0.3142
Android (android.graphics.Color)	4290983236 (0xFFC33544)
YUV	97.1680, -14.3798, 85.7987
Hunter-Lab	38.1336, 49.2990, 15.8767

Details

The CIELCh color **45, 61.892, 24.043** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **72, 40.295, 184.540**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.928, 23.936**, and **27, 57.334, 28.865** is the 20% darker color. If you saturate the color by 10%, you get **43, 69.744, 28.147**, and if you desaturate by 10%, it is **48, 53.337, 20.660**.

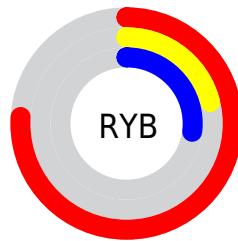
Distribution



Red (76%)

Green (21%)

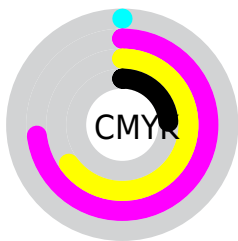
Blue (27%)



Red (76%)

Yellow (21%)

Blue (27%)

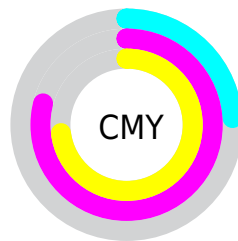


Cyan (0%)

Magenta (73%)

Yellow (65%)

Black (24%)



Cyan (24%)

Magenta (79%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 61.892, 24.043 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, 61.892, 24.043 by changing the saturation by 10% instead.

 45, 61.892, 24.043

 45, 61.892, 24.043

 100, 61.892,
24.043

 35, 61.892, 24.043

 65, 61.892, 24.043

 25, 61.892, 24.043

 75, 61.892, 24.043

 15, 61.892, 24.043

 85, 61.892, 24.043

 5, 61.892, 24.043

 95, 61.892, 24.043

 0, 61.892, 24.043

 45, 61.892, 24.043

 45, 61.892, 24.043

 43, 69.744, 28.147

 48, 53.337, 20.660

 41, 76.637, 32.717

 52, 44.373, 17.968

41, 80.887, 35.717

56, 35.307, 15.852

61, 26.401, 14.181

66, 17.839, 12.843

72, 9.722, 11.742

77, 2.091, 10.659

83, 5.058, 190.272

88, 11.748,
189.582

Harmonies

Complementary

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



45, 61.892, 24.043



72, 40.295, 184.540

Rectangle

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



45, 61.892, 24.043



45, 61.892, 74.043



45, 61.892, 204.043



45, 61.892, 254.043

Sweetspot

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



45, 61.889, 24.045



84, 21.155, 12.782



47, 83.254, 324.034



44, 14.451, 13.121



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 61.889, 24.045



54, 89.509, 30.636



54, 54.060, 55.626



38, 4.221, 11.393



33, 69.550, 35.038



3, 14.090, 13.646

Inverse Universe

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



45, 61.889, 24.045



54, 89.509, 30.636



56, 36.594, 257.608



38, 4.221, 11.393



33, 69.550, 35.038



3, 14.090, 13.646

Previews

White Background



This preview shows how the CIELCh color 45, 61.892, 24.043 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 CIELCh color 45, 61.892, 24.043 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, 61.892, 24.043

Background



This preview shows how black text looks on a background with the CIELCh color 45, 61.892, 24.043.

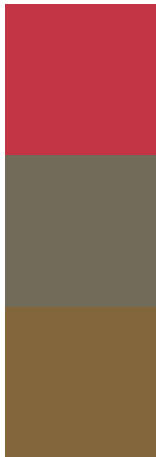


This preview shows how white text looks on a background with the CIELCh color 45, 61.892, 24.043.

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, 61.892, 24.043

Protanopia

45, 10.409, 94.155

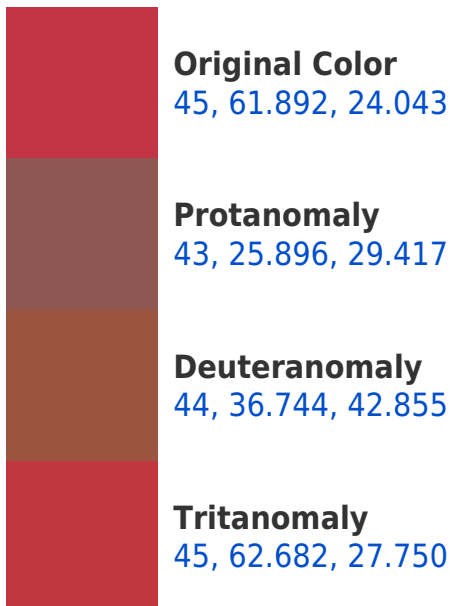
Deuteranopia

45, 28.687, 77.611



Tritanopia
45, 63.377, 29.959

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 61.892, 24.043 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(195, 53, 68)` looks like.

```
.text, #text, p{  
    color:rgb(195, 53, 68)  
}
```

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(195, 53, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 53, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 61.892, 24.043 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(195, 53, 68) }
```

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

```
.border{ border-color:rgb(195, 53, 68) }
```

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

Here you see how a box with a 4 pixel rgb(195, 53, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 53, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 53, 68);  
box-shadow:4px 4px 4px 4px rgb(195, 53,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 61.892, 24.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 53, 68) }
```

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

```
.background{ background-color: rgb(195, 53,  
68) }
```

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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