

Converting Colors

CIELCh(45, 66.898, 25.263)

Have a look what the booklet for
CIELCh(45, 66.898, 25.263) contains.

CIELCh(45, 66.694, 25.167)	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, 66.694, 25.167)

Conversions

Conversions Part 1

Format	Color
Hex	C82D3F
RGB	200, 45, 63
RGB Percent	78%, 18%, 25%
CMY	0.2152, 0.8230, 0.7526
CMYK	0.00, 0.77, 0.68, 0.22
HSL	353°, 63%, 48%
HSV	353°, 77%, 78%
XYZ	25.6934, 14.5417, 6.1678
YIQ	93.3970, 86.6020, 38.4580

Conversions

Conversions Part 2

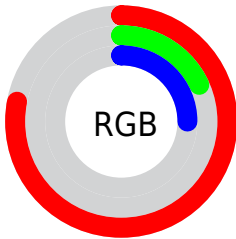
Format	Color
R_{YB}	200, 45, 63
Decimal	13118783
CIE _{Lab}	45.00, 60.36, 28.36
CIE _{LCh}	45, 66.694, 25.167
Yxy	14.5417, 0.5537, 0.3134
Android (android.graphics.Color)	4291308863 (0xFFC82D3F)
YUV	93.3970, -14.9857, 93.4908
Hunter-Lab	38.1336, 53.5346, 17.1039

Details

The CIELCh color **45, 66.694, 25.167** 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 **73, 42.782, 182.971**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 63.278, 24.564**, and **28, 59.967, 31.479** is the 20% darker color. If you saturate the color by 10%, you get **43, 74.166, 29.600**, and if you desaturate by 10%, it is **48, 58.374, 21.415**.

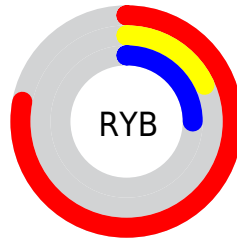
Distribution



Red (78%)

Green (18%)

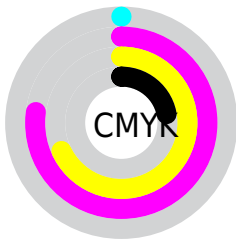
Blue (25%)



Red (78%)

Yellow (18%)

Blue (25%)

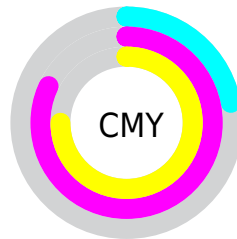


Cyan (0%)

Magenta (77%)

Yellow (68%)

Black (22%)



Cyan (22%)

Magenta (82%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 66.694, 25.167 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, 66.694, 25.167 by changing the saturation by 10% instead.

 45, 66.694, 25.167

 45, 66.694, 25.167

 100, 66.694,
25.167

 35, 66.694, 25.167

 65, 66.694, 25.167

 25, 66.694, 25.167

 75, 66.694, 25.167

 15, 66.694, 25.167

 85, 66.694, 25.167

 5, 66.694, 25.167

 95, 66.694, 25.167

 0, 66.694, 25.167

 45, 66.694, 25.167

 45, 66.694, 25.167

 43, 74.166, 29.600

 48, 58.374, 21.415

 42, 80.562, 34.246

 52, 49.465, 18.397

42, 82.071, 35.265

56, 40.278, 16.019

61, 31.114, 14.145

66, 22.206, 12.652

71, 13.700, 11.439

76, 5.665, 10.402

82, 1.880, 189.960

88, 8.949, 189.043

Harmonies

Complementary

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



45, 66.694, 25.167



73, 42.782, 182.971

Rectangle

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



45, 66.694, 25.167



45, 66.694, 75.167



45, 66.694, 205.167



45, 66.694, 255.167

Sweetspot

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



45, 66.691, 25.169



85, 22.387, 12.124



47, 88.287, 324.063



43, 15.662, 12.592



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, 66.691, 25.169



54, 94.448, 32.847



55, 59.231, 55.215



39, 4.321, 10.598



34, 69.969, 34.538



3, 15.994, 13.422

Inverse Universe

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



45, 66.691, 25.169



54, 94.448, 32.847



56, 39.176, 259.544



39, 4.321, 10.598



34, 69.969, 34.538



3, 15.994, 13.422

Previews

White Background



This preview shows how the CIELCh color 45, 66.694, 25.167 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, 66.694, 25.167 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, 66.694, 25.167

Background



This preview shows how black text looks on a background with the CIELCh color 45, 66.694, 25.167.



This preview shows how white text looks on a background with the CIELCh color 45, 66.694, 25.167.

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, 66.694, 25.167

Protanopia

45, 12.816, 94.414

Deuteranopia

45, 31.478, 78.725



Tritanopia
45, 69.374, 32.025

Trichromacy



Original Color
45, 66.694, 25.167

Protanomaly
43, 28.252, 31.561

Deuteranomaly
43, 40.380, 43.170

Tritanomaly
45, 68.303, 29.693

Monochromacy



Original Color
45, 66.694, 25.167

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 25.750, 14.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 66.694, 25.167 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(200, 45, 63)` looks like.

```
.text, #text, p{  
    color:rgb(200, 45, 63)  
}
```

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(200, 45, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 45, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 66.694, 25.167 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(200, 45, 63) }
```

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

```
.border{ border-color:rgb(200, 45, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 45, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 45, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 45, 63);  
box-shadow:4px 4px 4px 4px rgb(200, 45,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 66.694, 25.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 45, 63) }
```

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

```
.background{ background-color: rgb(200, 45,  
63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor