

Converting Colors

CIELCh(45, 66.503, 32.786)

Have a look what the booklet for
CIELCh(45, 66.503, 32.786) contains.

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Color

CIELCh(45, 66.444, 32.646)

Conversions

Conversions Part 1

Format	Color
Hex	C43532
RGB	196, 53, 50
RGB Percent	77%, 21%, 20%
CMY	0.2309, 0.7916, 0.8036
CMYK	0.00, 0.73, 0.74, 0.23
HSL	1°, 59%, 48%
HSV	1°, 74%, 77%
XYZ	24.6549, 14.5417, 4.5355
YIQ	95.4150, 86.1910, 29.3830

Conversions

Conversions Part 2

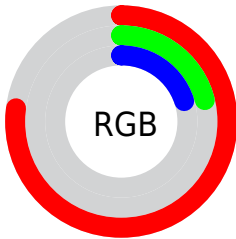
Format	Color
R _Y B	196, 53, 50
Decimal	12858674
CIE Lab	45.00, 55.95, 35.84
CIE LCh	45, 66.444, 32.646
Yxy	14.5417, 0.5638, 0.3325
Android (android.graphics.Color)	4291048754 (0xFFC43532)
YUV	95.4150, -22.3896, 88.2130
Hunter-Lab	38.1336, 48.6735, 19.6418

Details

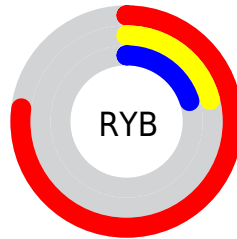
The CIELCh color **45, 66.444, 32.646** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **71, 37.137, 199.251**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 64.634, 32.736**, and **27, 62.510, 37.251** is the 20% darker color. If you saturate the color by 10%, you get **43, 75.436, 35.930**, and if you desaturate by 10%, it is **48, 56.716, 29.692**.

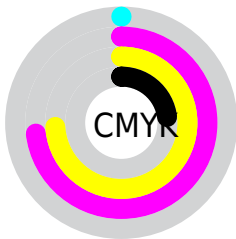
Distribution



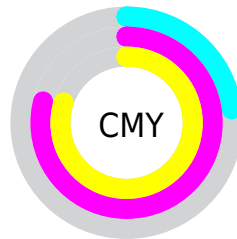
- Red (77%)
- Green (21%)
- Blue (20%)



- Red (77%)
- Yellow (21%)
- Blue (20%)



- Cyan (0%)
- Magenta (73%)
- Yellow (74%)
- Black (23%)



- Cyan (23%)
- Magenta (79%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 66.444, 32.646 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, 66.444, 32.646 by changing the saturation by 10% instead.

 45, 66.444, 32.646

 45, 66.444, 32.646

 100, 66.444,
32.646

 35, 66.444, 32.646

 65, 66.444, 32.646

 25, 66.444, 32.646

 75, 66.444, 32.646

 15, 66.444, 32.646

 85, 66.444, 32.646

 5, 66.444, 32.646

 95, 66.444, 32.646

 0, 66.444, 32.646

 45, 66.444, 32.646

 45, 66.444, 32.646

 43, 75.436, 35.930

 48, 56.716, 29.692

 41, 82.511, 38.790

 52, 46.816, 27.280

41, 85.542, 40.203

56, 37.087, 25.397

61, 27.758, 23.954

66, 18.969, 22.852

71, 10.780, 22.000

77, 3.195, 21.246

82, 3.815, 201.074

88, 10.299,
200.608

Harmonies

Complementary

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



45, 66.444, 32.646



71, 37.137, 199.251

Rectangle

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



45, 66.444, 32.646



45, 66.444, 82.646



45, 66.444, 212.646



45, 66.444, 262.646

Sweetspot

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



45, 66.441, 32.648



85, 20.941, 22.654



49, 84.259, 328.432



44, 14.223, 22.915



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, 66.441, 32.648



54, 97.460, 37.756



59, 54.664, 67.374



38, 4.102, 21.627



33, 73.441, 40.009



3, 13.807, 20.560

Inverse Universe

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



71, 37.137, 199.251



90, 48.025, 199.467



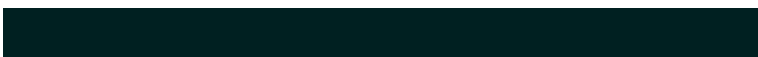
50, 45.846, 274.928



40, 3.866, 200.820



59, 34.462, 199.655



10, 12.153, 198.897

Previews

White Background



This preview shows how the CIELCh color 45, 66.444, 32.646 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, 66.444, 32.646 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, 66.444, 32.646

Background



This preview shows how black text looks on a background with the CIELCh color 45, 66.444, 32.646.



This preview shows how white text looks on a background with the CIELCh color 45, 66.444, 32.646.

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, 66.444, 32.646

Protanopia

45, 23.381, 95.428

Deuteranopia

45, 38.784, 81.052



Tritanopia
45, 65.628, 30.634

Trichromacy



Original Color
45, 66.444, 32.646

Protanomaly
43, 33.366, 49.470

Deuteranomaly
44, 44.975, 53.248

Tritanomaly
45, 65.882, 31.079

Monochromacy



Original Color
45, 66.444, 32.646

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 23.830, 24.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 66.444, 32.646 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(196, 53, 50)` looks like.

```
.text, #text, p{  
    color:rgb(196, 53, 50)  
}
```

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(196, 53, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 53, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 66.444, 32.646 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(196, 53, 50) }
```

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

```
.border{ border-color:rgb(196, 53, 50) }
```

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

Here you see how a box with a 4 pixel rgb(196, 53, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 53, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 53, 50);  
box-shadow:4px 4px 4px 4px rgb(196, 53,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 66.444, 32.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 53, 50) }
```

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

```
.background{ background-color: rgb(196, 53,  
50) }
```

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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