

Converting Colors

CIELCh(45, 65.846, 37.328)

Have a look what the booklet for
CIELCh(45, 65.846, 37.328) contains.

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Color

CIELCh(45, 65.730, 37.557)

Conversions

Conversions Part 1

Format	Color
Hex	C03B2A
RGB	192, 59, 42
RGB Percent	75%, 23%, 16%
CMY	0.2464, 0.7680, 0.8348
CMYK	0.00, 0.69, 0.78, 0.25
HSL	7°, 64%, 46%
HSV	7°, 78%, 75%
XYZ	23.7749, 14.5417, 3.7562
YIQ	96.8290, 84.7250, 22.9090

Conversions

Conversions Part 2

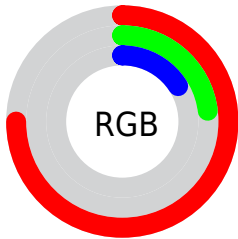
Format	Color
RYB	192, 61, 42
Decimal	12598058
CIELab	45.00, 52.11, 40.07
CIElCh	45, 65.730, 37.557
Yxy	14.5417, 0.5651, 0.3456
Android (android.graphics.Color)	4290788138 (0xFFC03B2A)
YUV	96.8290, -27.0307, 83.4650
Hunter-Lab	38.1336, 44.5544, 20.8534

Details

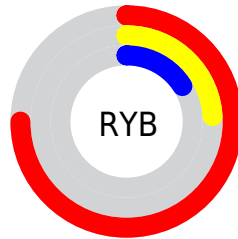
The CIELCh color **45, 65.730, 37.557** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **66, 34.053, 213.231**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 65.679, 37.578**, and **26, 62.496, 38.565** is the 20% darker color. If you saturate the color by 10%, you get **43, 74.609, 39.553**, and if you desaturate by 10%, it is **48, 56.111, 35.574**.

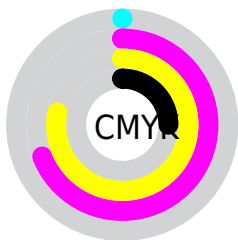
Distribution



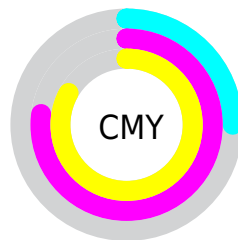
- Red (75%)
- Green (23%)
- Blue (16%)



- Red (75%)
- Yellow (24%)
- Blue (16%)



- Cyan (0%)
- Magenta (69%)
- Yellow (78%)
- Black (25%)



- Cyan (25%)
- Magenta (77%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 65.730, 37.557 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, 65.730, 37.557 by changing the saturation by 10% instead.

 45, 65.730, 37.557

 45, 65.730, 37.557

 100, 65.730,
37.557

 35, 65.730, 37.557

 65, 65.730, 37.557

 25, 65.730, 37.557

 75, 65.730, 37.557

 15, 65.730, 37.557

 85, 65.730, 37.557

 5, 65.730, 37.557

 95, 65.730, 37.557

 0, 65.730, 37.557

 45, 65.730, 37.557

 45, 65.730, 37.557

 43, 74.609, 39.553

 48, 56.111, 35.574

 41, 81.490, 40.986

 51, 46.466, 33.897

41, 82.723, 41.367

55, 37.135, 32.587

60, 28.297, 31.611

64, 20.036, 30.907

69, 12.378, 30.413

74, 5.308, 30.046

79, 1.213, 210.409

84, 7.234, 209.952

Harmonies

Complementary

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



45, 65.730, 37.557



66, 34.053, 213.231

Rectangle

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



45, 65.730, 37.557



45, 65.730, 87.557



45, 65.730, 217.557



45, 65.730, 267.557

Sweetspot

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



45, 65.728, 37.560



84, 19.923, 30.653



47, 80.353, 331.625



43, 13.996, 30.846



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



45, 65.728, 37.560



54, 97.307, 40.597



60, 56.799, 74.333



38, 3.770, 30.092



34, 72.045, 41.440



4, 13.024, 26.097

Inverse Universe

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



66, 34.053, 213.231



82, 43.355, 216.137



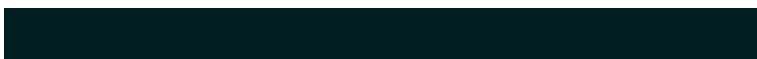
44, 54.323, 283.976



40, 3.550, 209.972



54, 31.325, 216.711



9, 11.015, 212.035

Previews

White Background



This preview shows how the CIELCh color 45, 65.730, 37.557 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, 65.730, 37.557 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, 65.730, 37.557

Background



This preview shows how black text looks on a background with the CIELCh color 45, 65.730, 37.557.



This preview shows how white text looks on a background with the CIELCh color 45, 65.730, 37.557.

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, 65.730, 37.557

Protanopia

45, 30.082, 95.895

Deuteranopia

45, 42.982, 81.981



Tritanopia
45, 61.761, 29.045

Trichromacy



Original Color
45, 65.730, 37.557

Protanomaly
44, 36.720, 59.326

Deuteranomaly
44, 47.433, 58.237

Tritanomaly
45, 63.008, 32.199

Monochromacy



Original Color
45, 65.730, 37.557

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 23.078, 31.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 65.730, 37.557 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(192, 59, 42)` looks like.

```
.text, #text, p{  
    color:rgb(192, 59, 42)  
}
```

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(192, 59, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 59, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 65.730, 37.557 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(192, 59, 42) }
```

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

```
.border{ border-color:rgb(192, 59, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 59, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 59, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 59, 42);  
box-shadow:4px 4px 4px 4px rgb(192, 59,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 65.730, 37.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 59, 42) }
```

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

```
.background{ background-color: rgb(192, 59,  
42) }
```

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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