

Converting Colors

CIELCh(45, 50.826, 62.741)

Have a look what the booklet for
CIELCh(45, 50.826, 62.741) contains.

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Color

CIELCh(45, 50.465, 63.091)

Conversions

Conversions Part 1

Format	Color
Hex	9D5A1C
RGB	157, 90, 28
RGB Percent	62%, 35%, 11%
CMY	0.3847, 0.6473, 0.8905
CMYK	0.00, 0.43, 0.82, 0.38
HSL	29°, 70%, 36%
HSV	29°, 82%, 62%
XYZ	17.7451, 14.5417, 2.9651
YIQ	102.9650, 59.8340, -5.0780

Conversions

Conversions Part 2

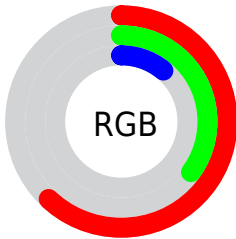
Format	Color
R_{YB}	157, 147, 28
Decimal	10312220
CIE _{Lab}	45.00, 22.84, 45.00
CIE _{LCh}	45, 50.465, 63.091
Yxy	14.5417, 0.5034, 0.4125
Android (android.graphics.Color)	4288502300 (0xFF9D5A1C)
YUV	102.9650, -36.9577, 47.3887
Hunter-Lab	38.1336, 16.3296, 22.0834

Details

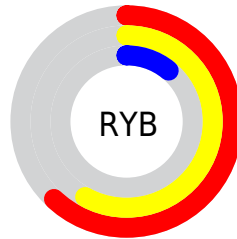
The CIELCh color **45, 50.465, 63.091** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **39, 39.578, 273.664**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 50.460, 63.494**, and **25, 42.579, 56.685** is the 20% darker color. If you saturate the color by 10%, you get **43, 55.902, 61.161**, and if you desaturate by 10%, it is **47, 44.077, 64.583**.

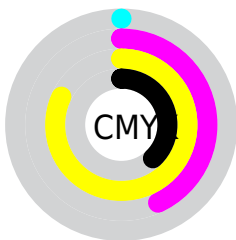
Distribution



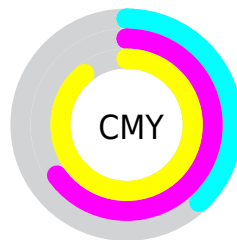
- Red (62%)
- Green (35%)
- Blue (11%)



- Red (62%)
- Yellow (58%)
- Blue (11%)



- Cyan (0%)
- Magenta (43%)
- Yellow (82%)
- Black (38%)



- Cyan (38%)
- Magenta (65%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 50.465, 63.091 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, 50.465, 63.091 by changing the saturation by 10% instead.

 45, 50.465, 63.091

 45, 50.465, 63.091

 100, 50.465,
63.091

 35, 50.465, 63.091

 65, 50.465, 63.091

 25, 50.465, 63.091

 75, 50.465, 63.091

 15, 50.465, 63.091

 85, 50.465, 63.091

 5, 50.465, 63.091

 95, 50.465, 63.091

 0, 50.465, 63.091

 45, 50.465, 63.091

 45, 50.465, 63.091

 43, 55.902, 61.161

 47, 44.077, 64.583

 42, 59.627, 59.546

 49, 37.375, 65.876

■ 52, 30.706, 67.095

■ 54, 24.238, 68.291

■ 56, 18.041, 69.482

■ 59, 12.132, 70.666

■ 62, 6.506, 71.829

■ 64, 1.144, 72.768

■ 67, 3.979, 254.276

Harmonies

Complementary

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



45, 50.465, 63.091



39, 39.578, 273.664

Rectangle

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



45, 50.465, 63.091



45, 50.465, 113.091



45, 50.465, 243.091



45, 50.465, 293.091

Sweetspot

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



45, 50.464, 63.094



74, 17.054, 70.279



36, 56.284, 352.860



38, 11.703, 69.894



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



45, 50.464, 63.094



54, 72.244, 58.987



62, 60.922, 101.531



32, 3.011, 72.160



38, 55.557, 59.879



2, 3.811, 70.495

Inverse Universe

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



39, 39.578, 273.664



45, 58.507, 282.010



23, 79.395, 303.146



32, 2.940, 254.519



32, 44.224, 281.066



2, 3.945, 256.233

Previews

White Background



This preview shows how the CIELCh color 45, 50.465, 63.091 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, 50.465, 63.091 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, 50.465, 63.091

Background



This preview shows how black text looks on a background with the CIELCh color 45, 50.465, 63.091.



This preview shows how white text looks on a background with the CIELCh color 45, 50.465, 63.091.

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, 50.465, 63.091

Protanopia

45, 42.017, 95.477

Deuteranopia

45, 46.438, 83.060



Tritanopia
45, 33.737, 18.648

Trichromacy



Original Color
45, 50.465, 63.091

Protanomaly
45, 42.783, 82.496

Deuteranomaly
45, 47.121, 75.524

Tritanomaly
45, 37.280, 40.793

Monochromacy



Original Color
45, 50.465, 63.091

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 17.692, 67.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 50.465, 63.091 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(157, 90, 28)` looks like.

```
.text, #text, p{  
    color:rgb(157, 90, 28)  
}
```

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(157, 90, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 90, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 50.465, 63.091 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(157, 90, 28) }
```

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

```
.border{ border-color:rgb(157, 90, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 90, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 90, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 90, 28);  
box-shadow:4px 4px 4px 4px rgb(157, 90,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 50.465, 63.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 90, 28) }
```

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

```
.background{ background-color: rgb(157, 90,  
28) }
```

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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