

Converting Colors

CIELCh(45, 45.316, 55.693)

Have a look what the booklet for
CIELCh(45, 45.316, 55.693) contains.

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Color

CIELCh(45, 45.316, 55.693)

Conversions

Conversions Part 1

Format	Color
Hex	9F582C
RGB	159, 88, 44
RGB Percent	62%, 35%, 17%
CMY	0.3763, 0.6548, 0.8273
CMYK	0.00, 0.45, 0.72, 0.38
HSL	23°, 57%, 40%
HSV	23°, 72%, 62%
XYZ	18.2533, 14.5417, 4.2306
YIQ	104.2130, 56.4400, 1.3680

Conversions

Conversions Part 2

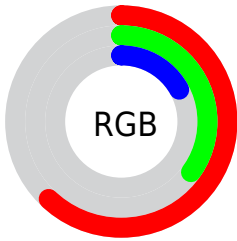
Format	Color
RYB	159, 115, 44
Decimal	10442796
CIELab	45.00, 25.54, 37.43
CIElCh	45, 45.316, 55.693
Yxy	14.5417, 0.4930, 0.3927
Android (android.graphics.Color)	4288632876 (0xFF9F582C)
YUV	104.2130, -29.6850, 48.0482
Hunter-Lab	38.1336, 18.7082, 20.1157

Details

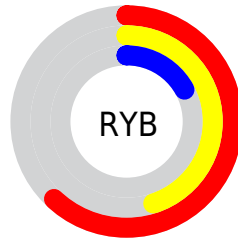
The CIELCh color **45, 45.316, 55.693** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **46, 30.904, 256.876**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 45.259, 55.752**, and **25, 43.753, 54.520** is the 20% darker color. If you saturate the color by 10%, you get **43, 52.460, 54.814**, and if you desaturate by 10%, it is **48, 38.044, 56.443**.

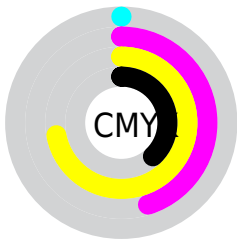
Distribution



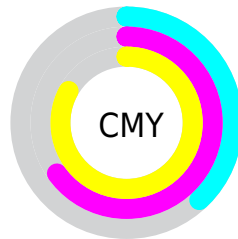
- Red (62%)
- Green (35%)
- Blue (17%)



- Red (62%)
- Yellow (45%)
- Blue (17%)



- Cyan (0%)
- Magenta (45%)
- Yellow (72%)
- Black (38%)



- Cyan (38%)
- Magenta (65%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 45.316, 55.693 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, 45.316, 55.693 by changing the saturation by 10% instead.

■ 45, 45.316, 55.693

■ 45, 45.316, 55.693

■ 100, 45.316,
55.693

■ 35, 45.316, 55.693

■ 65, 45.316, 55.693

■ 25, 45.316, 55.693

■ 75, 45.316, 55.693

■ 15, 45.316, 55.693

■ 85, 45.316, 55.693

■ 5, 45.316, 55.693

■ 95, 45.316, 55.693

■ 0, 45.316, 55.693

■ 45, 45.316, 55.693

■ 45, 45.316, 55.693

■ 43, 52.460, 54.814

■ 48, 38.044, 56.443

■ 41, 58.816, 53.504

■ 50, 30.975, 57.184

39, 63.244, 52.459

53, 24.248, 57.966

56, 17.911, 58.800

59, 11.966, 59.675

62, 6.393, 60.566

65, 1.161, 61.236

68, 3.764, 242.618

71, 8.416, 243.508

Harmonies

Complementary

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



45, 45.316, 55.693



46, 30.904, 256.876

Rectangle

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



45, 45.316, 55.693



45, 45.316, 105.693



45, 45.316, 235.693



45, 45.316, 285.693

Sweetspot

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



45, 45.315, 55.696



75, 14.602, 59.665



39, 55.825, 344.198



39, 9.972, 59.441



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 45.315, 55.696



54, 68.771, 54.060



59, 52.576, 96.313



32, 2.893, 60.833



35, 58.273, 52.820



2, 3.676, 59.356

Inverse Universe

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



46, 30.904, 256.876



55, 43.838, 263.844



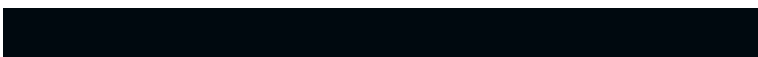
30, 62.951, 297.383



32, 2.785, 242.823



36, 36.392, 268.726



2, 3.734, 245.644

Previews

White Background



This preview shows how the CIELCh color 45, 45.316, 55.693 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, 45.316, 55.693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

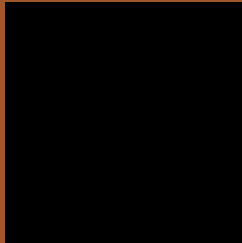
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 45.316, 55.693

Background



This preview shows how black text looks on a background with the CIELCh color 45, 45.316, 55.693.



This preview shows how white text looks on a background with the CIELCh color 45, 45.316, 55.693.

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, 45.316, 55.693

Protanopia

45, 33.344, 95.491

Deuteranopia

45, 39.024, 81.895



Tritanopia
45, 34.671, 18.997

Trichromacy



Original Color
45, 45.316, 55.693

Protanomaly
45, 35.076, 77.347

Deuteranomaly
45, 40.232, 71.661

Tritanomaly
45, 36.295, 35.082

Monochromacy



Original Color
45, 45.316, 55.693

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 15.355, 58.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 45.316, 55.693 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(159, 88, 44)` looks like.

```
.text, #text, p{  
    color:rgb(159, 88, 44)  
}
```

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(159, 88, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 88, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 45.316, 55.693 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(159, 88, 44) }
```

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

```
.border{ border-color:rgb(159, 88, 44) }
```

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

Here you see how a box with a 4 pixel rgb(159, 88, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 88, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 88, 44);  
box-shadow:4px 4px 4px 4px rgb(159, 88,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 45.316, 55.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 88, 44) }
```

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

```
.background{ background-color: rgb(159, 88,  
44) }
```

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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