

Converting Colors

CIELCh(45, 13.299, 36.300)

Have a look what the booklet for
CIELCh(45, 13.299, 36.300) contains.

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Color

CIELCh(45, 13.299, 36.300)

Conversions

Conversions Part 1

Format	Color
Hex	81645E
RGB	129, 100, 94
RGB Percent	51%, 39%, 37%
CMY	0.4948, 0.6085, 0.6320
CMYK	0.00, 0.23, 0.27, 0.49
HSL	10°, 16%, 44%
HSV	10°, 27%, 51%
XYZ	15.5815, 14.5417, 12.5371
YIQ	107.9870, 19.2100, 4.2820

Conversions

Conversions Part 2

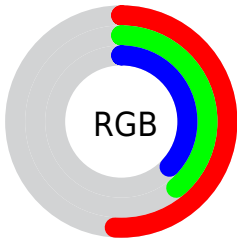
Format	Color
R_{YB}	129, 101, 94
Decimal	8479838
CIE _{Lab}	45.00, 10.72, 7.87
CIE _{LCh}	45, 13.299, 36.300
Yxy	14.5417, 0.3652, 0.3409
Android (android.graphics.Color)	4286669918 (0xFF81645E)
YUV	107.9870, -6.8956, 18.4284
Hunter-Lab	38.1336, 6.2020, 7.2008

Details

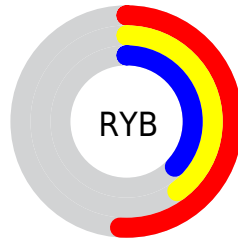
The CIELCh color **45, 13.299, 36.300** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **50, 11.103, 216.953**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 13.142, 37.510**, and **25, 13.446, 35.660** is the 20% darker color. If you saturate the color by 10%, you get **42, 18.941, 36.614**, and if you desaturate by 10%, it is **48, 8.070, 36.149**.

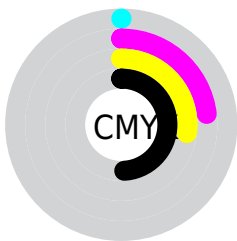
Distribution



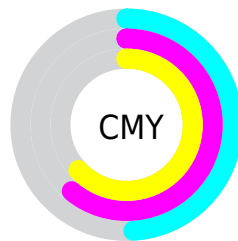
- Red (51%)
- Green (39%)
- Blue (37%)



- Red (51%)
- Yellow (40%)
- Blue (37%)



- Cyan (0%)
- Magenta (23%)
- Yellow (27%)
- Black (49%)



- Cyan (49%)
- Magenta (61%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 13.299, 36.300 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, 13.299, 36.300 by changing the saturation by 10% instead.

■ 45, 13.299, 36.300

■ 45, 13.299, 36.300

■ 100, 13.299,
36.300

■ 35, 13.299, 36.300

■ 65, 13.299, 36.300

■ 25, 13.299, 36.300

■ 75, 13.299, 36.300

■ 15, 13.299, 36.300

■ 85, 13.299, 36.300

■ 5, 13.299, 36.300

■ 95, 13.299, 36.300

■ 0, 13.299, 36.300

■ 45, 13.299, 36.300

■ 45, 13.299, 36.300

■ 42, 18.941, 36.614

■ 48, 8.070, 36.149

■ 39, 25.003, 37.115

■ 52, 3.235, 36.059

36, 31.457, 37.849

55, 1.237, 216.581

33, 38.226, 38.838

58, 5.381, 216.482

31, 45.142, 40.051

62, 9.232, 216.651

29, 51.847, 41.316

65, 12.825,
216.876

28, 57.534, 42.150

68, 16.189,
217.133

27, 58.981, 42.429

72, 19.354,
217.409

75, 22.342,
217.698

Harmonies

Complementary

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



45, 13.299, 36.300



50, 11.103, 216.953

Rectangle

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



45, 13.299, 36.300



45, 13.299, 86.300



45, 13.299, 216.300



45, 13.299, 266.300

Sweetspot

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



45, 13.298, 36.307



66, 4.516, 36.072



44, 22.221, 330.998



33, 3.212, 36.084



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 13.298, 36.307



56, 20.647, 36.491



50, 14.533, 87.782



25, 2.545, 36.081



27, 58.461, 42.388



0, 0.000, 0.000

Inverse Universe

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



50, 11.103, 216.953



63, 16.385, 217.289



44, 14.448, 275.035



26, 2.408, 216.453



41, 26.046, 228.185



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 13.299, 36.300 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, 13.299, 36.300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

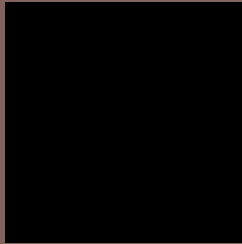
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.299, 36.300

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.299, 36.300.

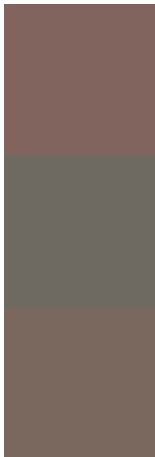


This preview shows how white text looks on a background with the CIELCh color 45, 13.299, 36.300.

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, 13.299, 36.300

Protanopia

45, 5.749, 87.645

Deuteranopia

45, 10.279, 55.257



Tritanopia
45, 14.279, 2.017

Trichromacy



Original Color
45, 13.299, 36.300

Protanomaly
45, 7.367, 59.913

Deuteranomaly
45, 11.103, 48.979

Tritanomaly
45, 13.375, 13.570

Monochromacy



Original Color
45, 13.299, 36.300

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.777, 34.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.299, 36.300 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(129, 100, 94)` looks like.

```
.text, #text, p{  
    color:rgb(129, 100, 94)  
}
```

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(129, 100, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 100, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.299, 36.300 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(129, 100, 94) }
```

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

```
.border{ border-color:rgb(129, 100, 94) }
```

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

Here you see how a box with a 4 pixel rgb(129, 100, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 100, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 100, 94);  
box-shadow:4px 4px 4px 4px rgb(129, 100,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.299, 36.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 100, 94) }
```

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

```
.background{ background-color: rgb(129,  
100, 94) }
```

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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