

Converting Colors

CIELCh(45, 25.442, 335.925)

Have a look what the booklet for
CIELCh(45, 25.442, 335.925)
contains.

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Color

CIELCh(45, 25.260, 336.345)

Conversions

Conversions Part 1

Format	Color
Hex	895D7C
RGB	137, 93, 124
RGB Percent	54%, 36%, 49%
CMY	0.4636, 0.6361, 0.5146
CMYK	0.00, 0.32, 0.09, 0.46
HSL	318°, 19%, 45%
HSV	318°, 32%, 54%
XYZ	17.8008, 14.5417, 20.8661
YIQ	109.6900, 16.2730, 18.9690

Conversions

Conversions Part 2

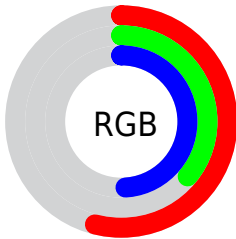
Format	Color
R_{YB}	137, 93, 124
Decimal	9002364
CIE _{Lab}	45.00, 23.14, -10.14
CIE _{LCh}	45, 25.260, 336.345
Yxy	14.5417, 0.3345, 0.2733
Android (android.graphics.Color)	4287192444 (0xFF895D7C)
YUV	109.6900, 7.0548, 23.9509
Hunter-Lab	38.1336, 16.5901, -5.7491

Details

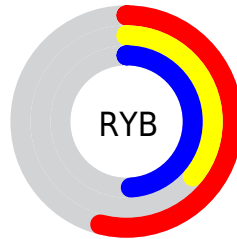
The CIELCh color $45, 25.260, 336.345$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $53, 24.995, 151.571$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 25.350, 335.927$, and $25, 25.057, 336.410$ is the 20% darker color. If you saturate the color by 10%, you get $42, 32.897, 337.149$, and if you desaturate by 10%, it is $49, 17.399, 335.593$.

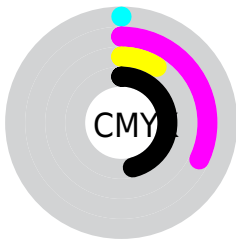
Distribution



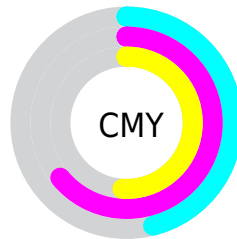
- Red (54%)
- Green (36%)
- Blue (49%)



- Red (54%)
- Yellow (36%)
- Blue (49%)



- Cyan (0%)
- Magenta (32%)
- Yellow (9%)
- Black (46%)





- Cyan (46%)
- Magenta (64%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 25.260, 336.345 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, 25.260, 336.345 by changing the saturation by 10% instead.


 45, 25.260,
336.345


 45, 25.260,
336.345


 100, 25.260,
336.345


 35, 25.260,
336.345

 65, 25.260,
336.345


 25, 25.260,
336.345

 75, 25.260,
336.345

 15, 25.260,
336.345

 85, 25.260,
336.345

 5, 25.260, 336.345

 95, 25.260,
336.345

 0, 25.260, 336.345

 45, 25.260,

 45, 25.260,

336.345

42, 32.897,
337.149

39, 40.068,
338.016

36, 46.455,
338.971

33, 51.703,
340.045

32, 55.481,
341.288

31, 57.578,
342.762

30, 58.536,
344.029

336.345

49, 17.399,
335.593

52, 9.497, 334.878

56, 1.674, 334.090

60, 5.996, 153.658

64, 13.470,
153.044

68, 20.728,
152.479

72, 27.765,
151.950

76, 34.584,
151.452

80, 41.193,

Harmonies

Complementary

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



45, 25.260, 336.345



53, 24.995, 151.571

Rectangle

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



45, 25.260, 336.345



45, 25.260, 26.345



45, 25.260, 156.345



45, 25.260, 206.345

Sweetspot

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



45, 25.258, 336.346



68, 9.697, 334.742



42, 27.070, 303.374



35, 6.595, 334.827



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



45, 25.258, 336.346



55, 37.908, 336.960



44, 19.541, 5.505



27, 4.423, 334.667



29, 57.266, 343.968



0, 2.038, 334.099

Inverse Universe

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



45, 25.258, 336.346



55, 37.908, 336.960



54, 17.276, 179.041



27, 4.423, 334.667



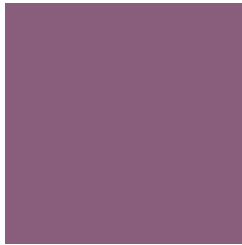
29, 57.266, 343.968



0, 2.038, 334.099

Previews

White Background



This preview shows how the CIELCh color 45, 25.260, 336.345 looks on a white background.

Color Contrast Check

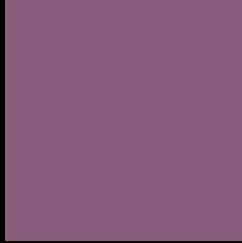
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 45, 25.260, 336.345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

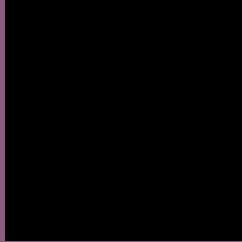
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 25.260, 336.345

Background



This preview shows how black text looks on a background with the CIELCh color 45, 25.260, 336.345.



This preview shows how white text looks on a background with the CIELCh color 45, 25.260, 336.345.

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, 25.260, 336.345

Protanopia

45, 16.192, 284.650

Deuteranopia

45, 11.045, 303.861



Tritanopia
45, 16.795, 5.429

Trichromacy



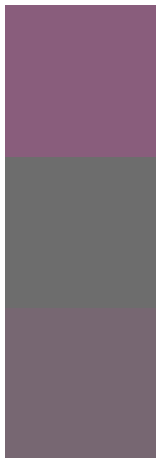
Original Color
45, 25.260, 336.345

Protanomaly
45, 18.014, 307.136

Deuteranomaly
45, 15.892, 321.682

Tritanomaly
45, 19.047, 352.340

Monochromacy



Original Color
45, 25.260, 336.345

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 9.265, 335.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 25.260, 336.345 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(137, 93, 124)` looks like.

```
.text, #text, p{  
    color:rgb(137, 93, 124)  
}
```

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(137, 93, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 93, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 25.260, 336.345 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(137, 93, 124) }
```

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

```
.border{ border-color:rgb(137, 93, 124) }
```

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

Here you see how a box with a 4 pixel rgb(137, 93, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 93, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 93, 124);  
box-shadow:4px 4px 4px 4px rgb(137, 93,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 25.260, 336.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 93, 124) }
```

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

```
.background{ background-color: rgb(137, 93,  
124) }
```

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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