

Converting Colors

CIELCh(45, 25.325, 326.773)

Have a look what the booklet for
CIELCh(45, 25.325, 326.773)
contains.

CIELCh(45, 25.066, 326.647)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 25.066, 326.647)

Conversions

Conversions Part 1

Format	Color
Hex	835F82
RGB	131, 95, 130
RGB Percent	51%, 37%, 51%
CMY	0.4874, 0.6285, 0.4913
CMYK	0.00, 0.28, 0.01, 0.49
HSL	302°, 16%, 44%
HSV	302°, 28%, 51%
XYZ	17.3932, 14.5417, 22.9088
YIQ	109.7540, 10.2210, 18.5170

Conversions

Conversions Part 2

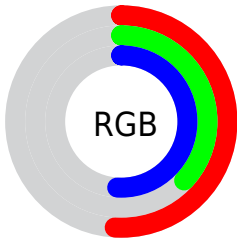
Format	Color
R_{YB}	131, 95, 130
Decimal	8609666
CIE _{Lab}	45.00, 20.94, -13.78
CIE _{LCh}	45, 25.066, 326.647
Yxy	14.5417, 0.3171, 0.2651
Android (android.graphics.Color)	4286799746 (0xFF835F82)
YUV	109.7540, 9.9813, 18.6327
Hunter-Lab	38.1336, 14.6825, -8.9251

Details

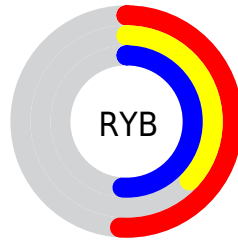
The CIELCh color $45, 25.066, 326.647$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $51, 25.055, 143.377$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 24.892, 326.273$, and $25, 25.312, 326.426$ is the 20% darker color. If you saturate the color by 10%, you get $42, 33.985, 327.165$, and if you desaturate by 10%, it is $48, 15.951, 326.112$.

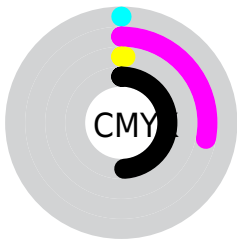
Distribution



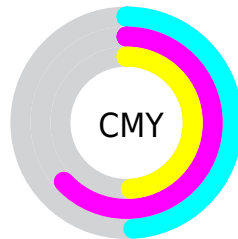
- Red (51%)
- Green (37%)
- Blue (51%)



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



- Cyan (0%)
- Magenta (28%)
- Yellow (1%)
- Black (49%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 25.066, 326.647 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, 25.066, 326.647 by changing the saturation by 10% instead.


 45, 25.066,
326.647


 45, 25.066,
326.647


 100, 25.066,
326.647


 35, 25.066,
326.647

 65, 25.066,
326.647


 25, 25.066,
326.647

 75, 25.066,
326.647

 15, 25.066,
326.647

 85, 25.066,
326.647

 5, 25.066, 326.647

 95, 25.066,
326.647

 0, 25.066, 326.647

 45, 25.066,

 45, 25.066,

326.647

42, 33.985,
327.165

39, 42.479,
327.654

36, 50.253,
328.102

34, 56.975,
328.495

32, 62.325,
328.823

31, 66.070,
329.083

30, 68.379,
329.284

30, 68.914,
329.331

326.647

48, 15.951,
326.112

52, 6.819, 325.560

56, 2.213, 145.146

59, 11.066,
144.559

63, 19.696,
144.052

67, 28.079,
143.570

71, 36.204,
143.114

74, 44.074,
142.684

■ 78, 51.696,
142.280

Harmonies

Complementary

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



45, 25.066, 326.647



51, 25.055, 143.377

Rectangle

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



45, 25.066, 326.647



45, 25.066, 16.647



45, 25.066, 146.647



45, 25.066, 196.647

Sweetspot

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



45, 25.064, 326.647



66, 9.023, 325.598



42, 21.827, 293.902



34, 6.468, 325.673



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



45, 25.064, 326.647



56, 37.301, 326.973



44, 18.030, 347.014



26, 5.174, 325.652



30, 68.662, 329.331



0, 1.232, 325.185

Inverse Universe

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



45, 25.064, 326.647



56, 37.301, 326.973



52, 17.398, 162.125



26, 5.174, 325.652



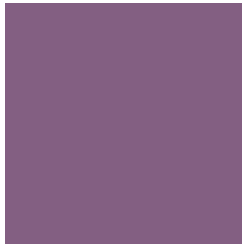
30, 68.662, 329.331



0, 1.232, 325.185

Previews

White Background



This preview shows how the CIELCh color 45, 25.066, 326.647 looks on a white background.

Color Contrast Check

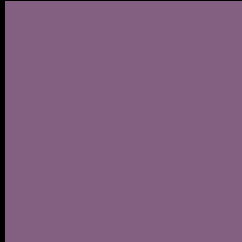
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.066, 326.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

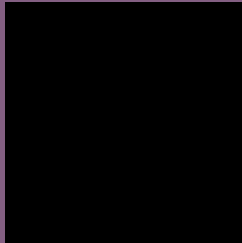
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 25.066, 326.647

Background



This preview shows how black text looks on a background with the CIELCh color 45, 25.066, 326.647.



This preview shows how white text looks on a background with the CIELCh color 45, 25.066, 326.647.

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, 25.066, 326.647

Protanopia

45, 18.619, 283.923

Deuteranopia

45, 14.413, 296.667



Tritanopia
45, 13.051, 359.905

Trichromacy



Original Color
45, 25.066, 326.647

Protanomaly
45, 19.427, 301.558

Deuteranomaly
45, 17.769, 311.249

Tritanomaly
45, 16.871, 342.416

Monochromacy



Original Color
45, 25.066, 326.647

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 9.383, 325.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 25.066, 326.647 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(131, 95, 130)` looks like.

```
.text, #text, p{  
    color:rgb(131, 95, 130)  
}
```

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(131, 95, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 95, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 25.066, 326.647 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(131, 95, 130) }
```

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

```
.border{ border-color:rgb(131, 95, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 95, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 95, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 95, 130);  
box-shadow:4px 4px 4px 4px rgb(131, 95,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 25.066, 326.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 95, 130) }
```

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

```
.background{ background-color: rgb(131, 95,  
130) }
```

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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