

# Converting Colors

CIELCh(45, 25.382, 325.408)

Have a look what the booklet for  
CIELCh(45, 25.382, 325.408)  
contains.

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**Color**

**CIELCh(45, 25.344, 325.087)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	825F83
RGB	130, 95, 131
RGB Percent	51%, 37%, 51%
CMY	0.4906, 0.6278, 0.4867
CMYK	0.01, 0.27, 0.00, 0.49
HSL	298°, 16%, 44%
HSV	298°, 27%, 51%
XYZ	17.3648, 14.5417, 23.3297
YIQ	109.5690, 9.3040, 18.6160

# Conversions

## Conversions Part 2

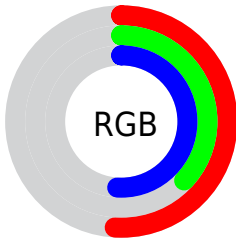
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 95, 131
Decimal	8544131
CIE <sub>Lab</sub>	45.00, 20.78, -14.51
CIE <sub>LCh</sub>	45, 25.344, 325.087
Yxy	14.5417, 0.3144, 0.2633
Android (android.graphics.Color)	4286734211 (0xFF825F83)
YUV	109.5690, 10.5655, 17.9180
Hunter-Lab	38.1336, 14.5492, -9.5794

# Details

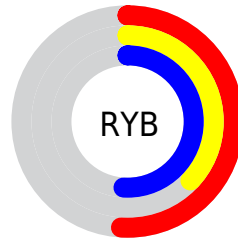
The CIELCh color `45, 25.344, 325.087` is a dark color, and the websafe version is hex `996699`. A complement of this color would be `51, 25.303, 141.979`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 25.144, 324.814`, and `25, 25.650, 324.737` is the 20% darker color. If you saturate the color by 10%, you get `42, 34.399, 325.572`, and if you desaturate by 10%, it is `48, 16.109, 324.580`.

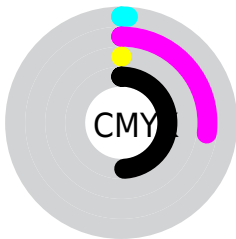
# Distribution



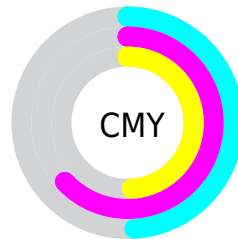
- Red (51%)
- Green (37%)
- Blue (51%)



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



- Cyan (1%)
- Magenta (27%)
- Yellow (0%)
- Black (49%)




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


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 25.344, 325.087 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, 25.344, 325.087 by changing the saturation by 10% instead.





 45, 25.344,  
325.087


 45, 25.344,  
325.087


 100, 25.344,  
325.087


 35, 25.344,  
325.087

 65, 25.344,  
325.087


 25, 25.344,  
325.087

 75, 25.344,  
325.087

 15, 25.344,  
325.087

 85, 25.344,  
325.087

 5, 25.344, 325.087

 95, 25.344,  
325.087

 0, 25.344, 325.087

 45, 25.344,

 45, 25.344,

325.087

42, 34.399,  
325.572

39, 43.050,  
326.020

36, 51.002,  
326.414

34, 57.924,  
326.737

32, 63.486,  
326.973

31, 67.444,  
327.109

30, 69.952,  
327.158

30, 70.544,  
327.168

325.087

48, 16.109,  
324.580

52, 6.868, 324.055

56, 2.266, 143.658


59, 11.216,  
143.099

63, 19.940,  
142.615

67, 28.414,  
142.158

71, 36.630,  
141.726

75, 44.588,  
141.320

 79, 52.297,  
140.941

# Harmonies

# Complementary

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



45, 25.344, 325.087



51, 25.303, 141.979

# Rectangle

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



45, 25.344, 325.087



45, 25.344, 15.087



45, 25.344, 145.087



45, 25.344, 195.087

# Sweetspot

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



45, 25.342, 325.087



66, 9.115, 324.093



42, 21.054, 292.048



34, 6.534, 324.165



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, 25.342, 325.087



56, 37.730, 325.394



45, 18.596, 344.215



26, 5.227, 324.144



30, 70.211, 327.169



0, 1.245, 323.698



# Inverse Universe

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



44, 15.712, 19.358



54, 23.942, 20.126



52, 18.088, 159.546



26, 3.050, 17.625



26, 61.277, 37.409

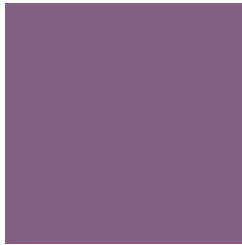


0, 0.708, 17.091



# Previews

## White Background



This preview shows how the CIELCh color 45, 25.344, 325.087 looks on a white background.

## Color Contrast Check

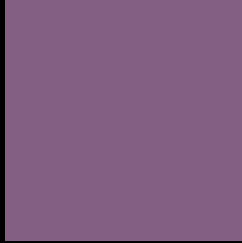
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.344, 325.087 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

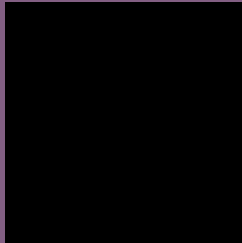
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 45, 25.344, 325.087

## Background



This preview shows how black text looks on a background with the CIELCh color 45, 25.344, 325.087.



This preview shows how white text looks on a background with the CIELCh color 45, 25.344, 325.087.

# 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, 25.344, 325.087


### Protanopia

45, 19.204, 284.307

### Deuteranopia

45, 14.979, 295.116





**Tritanopia**  
45, 12.655, 359.130

# Trichromacy



**Original Color**  
45, 25.344, 325.087

**Protanomaly**  
45, 20.014, 301.341

**Deuteranomaly**  
45, 18.216, 309.493

**Tritanomaly**  
45, 16.229, 340.412

# Monochromacy



**Original Color**  
45, 25.344, 325.087

**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, 25.344, 325.087 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(130, 95, 131)` looks like.

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

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

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

## Border

The CSS property to change the border of an element to CIELCh 45, 25.344, 325.087 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(130, 95, 131) }
```

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

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

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

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

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

# Background

The CSS property to change the background color of an element to CIELCh 45, 25.344, 325.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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