

Converting Colors

CIELCh(38, 45.169, 326.720)

Have a look what the booklet for
CIELCh(38, 45.169, 326.720)
contains.

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Color

CIELCh(38, 45.106, 326.956)

Conversions

Conversions Part 1

Format	Color
Hex	824182
RGB	130, 65, 130
RGB Percent	51%, 25%, 51%
CMY	0.4911, 0.7460, 0.4911
CMYK	0.00, 0.50, 0.00, 0.49
HSL	300°, 33%, 38%
HSV	300°, 50%, 51%
XYZ	15.0613, 10.0881, 22.1916
YIQ	91.8450, 17.8750, 33.9950

Conversions

Conversions Part 2

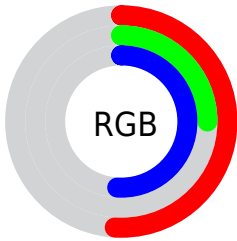
Format	Color
R_{YB}	130, 65, 130
Decimal	8536450
CIE _{Lab}	38.00, 37.81, -24.60
CIE _{LCh}	38, 45.106, 326.956
Yxy	10.0881, 0.3181, 0.2131
Android (android.graphics.Color)	4286726530 (0xFF824182)
YUV	91.8450, 18.8104, 33.4619
Hunter-Lab	31.7617, 29.0610, -19.1921

Details

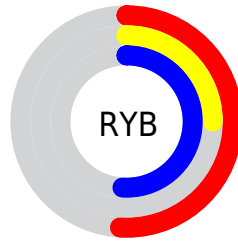
The CIELCh color $38, 45.106, 326.956$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $49, 45.314, 140.549$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $58, 44.615, 326.817$, and $18, 44.980, 326.894$ is the 20% darker color. If you saturate the color by 10%, you get $36, 52.741, 327.359$, and if you desaturate by 10%, it is $41, 36.660, 326.500$.

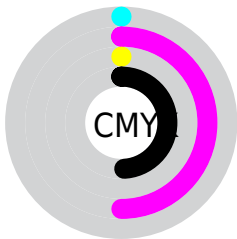
Distribution



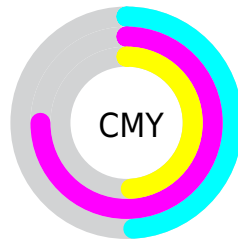
- Red (51%)
- Green (25%)
- Blue (51%)



- Red (51%)
- Yellow (25%)
- Blue (51%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (49%)




- Cyan (49%)
- Magenta (75%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 45.106, 326.956 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 38, 45.106, 326.956 by changing the saturation by 10% instead.


 38, 45.106,
326.956


 38, 45.106,
326.956

 100, 45.106,
326.956


 28, 45.106,
326.956

 58, 45.106,
326.956


 18, 45.106,
326.956


 68, 45.106,
326.956

 8, 45.106, 326.956

 78, 45.106,
326.956

 0, 45.106, 326.956

 88, 45.106,
326.956

 98, 45.106,
326.956

38, 45.106,
326.956

38, 45.106,
326.956

36, 52.741,
327.359

41, 36.660,
326.500

34, 59.239,
327.693

44, 27.715,
326.006

32, 64.298,
327.948

47, 18.518,
325.486

31, 67.729,
328.118

51, 9.261, 324.950

54, 0.078, 322.045

30, 70.016,
328.229

58, 8.942, 143.950

62, 17.746,
143.439

65, 26.301,
142.955

■ 69, 34.596,
142.496

Harmonies

Complementary

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



38, 45.106, 326.956



49, 45.314, 140.549

Rectangle

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



38, 45.106, 326.956



38, 45.106, 16.956



38, 45.106, 146.956



38, 45.106, 196.956

Sweetspot

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



38, 45.104, 326.956



62, 17.088, 325.234



31, 40.588, 296.518



31, 11.611, 325.328



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



38, 45.104, 326.956



46, 64.872, 327.406



37, 33.025, 347.743



25, 5.102, 324.895



30, 69.130, 328.229



0, 0.000, 0.000

Inverse Universe

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



36, 30.709, 24.763



42, 46.767, 27.249



49, 31.480, 157.782



25, 2.951, 19.868



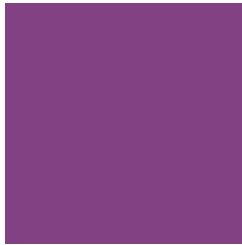
25, 61.099, 38.343



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 38, 45.106, 326.956 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 38, 45.106, 326.956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

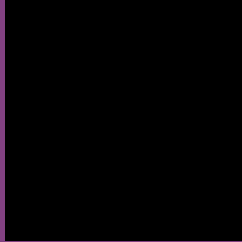
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 38, 45.106, 326.956

Background



This preview shows how black text looks on a background with the CIELCh color 38, 45.106, 326.956.



This preview shows how white text looks on a background with the CIELCh color 38, 45.106, 326.956.

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

38, 45.106, 326.956

Protanopia

38, 38.220, 285.989

Deuteranopia

38, 22.299, 283.777



Tritanopia
38, 21.748, 13.404

Trichromacy



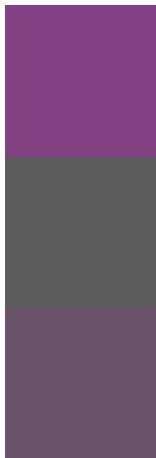
Original Color
38, 45.106, 326.956

Protanomaly
38, 38.981, 300.169

Deuteranomaly
38, 29.742, 306.314

Tritanomaly
38, 27.525, 347.778

Monochromacy



Original Color
38, 45.106, 326.956

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 17.689, 325.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 45.106, 326.956 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, 65, 130)` looks like.

```
.text, #text, p{  
    color:rgb(130, 65, 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(130, 65, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 65, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 45.106, 326.956 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, 65, 130) }
```

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

```
.border{ border-color:rgb(130, 65, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 65, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 65, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 65, 130);  
box-shadow:4px 4px 4px 4px rgb(130, 65,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 45.106, 326.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 65, 130) }
```

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

```
.background{ background-color: rgb(130, 65,  
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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