

Converting Colors

CIELCh(50, 44.855, 328.100)

Have a look what the booklet for
CIELCh(50, 44.855, 328.100)
contains.

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Color

CIELCh(50, 45.150, 327.913)

Conversions

Conversions Part 1

Format	Color
Hex	A35EA0
RGB	163, 94, 160
RGB Percent	64%, 37%, 63%
CMY	0.3596, 0.6303, 0.3714
CMYK	0.00, 0.42, 0.02, 0.36
HSL	303°, 27%, 51%
HSV	303°, 42%, 64%
XYZ	25.5605, 18.4187, 35.5960
YIQ	122.1550, 19.9380, 35.1540

Conversions

Conversions Part 2

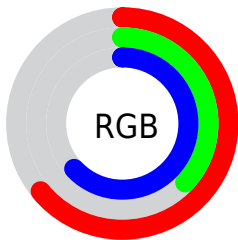
Format	Color
R_{YB}	163, 94, 160
Decimal	10706592
CIE _{Lab}	50.00, 38.25, -23.98
CIE _{LCh}	50, 45.150, 327.913
Yxy	18.4187, 0.3212, 0.2315
Android (android.graphics.Color)	4288896672 (0xFFA35EA0)
YUV	122.1550, 18.6576, 35.8211
Hunter-Lab	42.9170, 31.2065, -19.1342

Details

The CIELCh color `50, 45.150, 327.913` is a dark color, and the websafe version is hex `996699`. A complement of this color would be `61, 45.262, 142.393`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 45.252, 327.815`, and `30, 45.228, 328.241` is the 20% darker color. If you saturate the color by 10%, you get `47, 54.793, 328.406`, and if you desaturate by 10%, it is `54, 34.796, 327.388`.

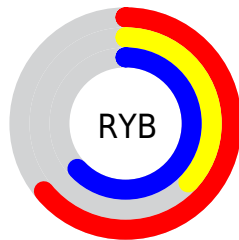
Distribution



Red (64%)

Green (37%)

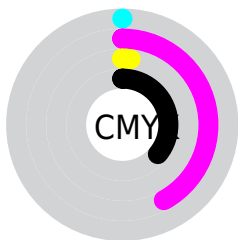
Blue (63%)



Red (64%)

Yellow (37%)

Blue (63%)

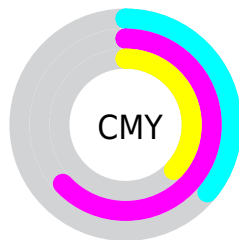


Cyan (0%)

Magenta (42%)

Yellow (2%)

Black (36%)



Cyan (36%)


Magenta (63%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 45.150, 327.913 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 50, 45.150, 327.913 by changing the saturation by 10% instead.


 50, 45.150,
327.913


 50, 45.150,
327.913


 100, 45.150,
327.913


 40, 45.150,
327.913


 70, 45.150,
327.913

 30, 45.150,
327.913


 80, 45.150,
327.913


 20, 45.150,
327.913

 90, 45.150,
327.913

 10, 45.150,
327.913

 0, 45.150, 327.913

 50, 45.150,
327.913

 50, 45.150,
327.913

47, 54.793,
328.406

54, 34.796,
327.388

44, 63.334,
328.853

58, 24.069,
326.841

42, 70.354,
329.245

62, 13.222,
326.282

40, 75.505,
329.575

66, 2.432, 325.657

39, 78.615,
329.844

71, 8.181, 145.242

38, 80.040,
330.026

75, 18.545,
144.706

80, 28.620,
144.201

84, 38.388,
143.724

89, 47.847,
143.272

Harmonies

Complementary

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



50, 45.150, 327.913



61, 45.262, 142.393

Rectangle

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



50, 45.150, 327.913



50, 45.150, 17.913



50, 45.150, 147.913



50, 45.150, 197.913

Sweetspot

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



50, 45.148, 327.913



78, 17.314, 326.337



43, 41.509, 296.777



40, 12.223, 326.457



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



50, 45.148, 327.913



60, 66.087, 328.390



49, 32.954, 349.848



32, 6.084, 326.112



34, 73.517, 330.008



2, 9.330, 326.020

Inverse Universe

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



50, 45.148, 327.913



60, 66.087, 328.390



62, 31.087, 161.278



32, 6.084, 326.112



34, 73.517, 330.008



2, 9.330, 326.020

Previews

White Background



This preview shows how the CIELCh color 50, 45.150, 327.913 looks on a white background.

Color Contrast Check

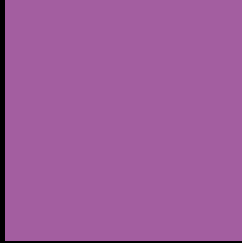
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 45.150, 327.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

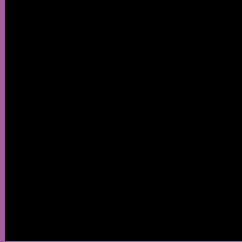
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 45.150, 327.913

Background



This preview shows how black text looks on a background with the CIELCh color 50, 45.150, 327.913.



This preview shows how white text looks on a background with the CIELCh color 50, 45.150, 327.913.

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

50, 45.150, 327.913

Protanopia

50, 36.428, 285.593

Deuteranopia

50, 22.860, 287.876



Tritanopia
50, 22.359, 10.456

Trichromacy



Original Color
50, 45.150, 327.913

Protanomaly
50, 37.308, 301.329

Deuteranomaly
50, 29.817, 308.176

Tritanomaly
50, 28.389, 347.105

Monochromacy



Original Color
50, 45.150, 327.913

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 17.119, 326.501

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 45.150, 327.913 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(163, 94, 160)` looks like.

```
.text, #text, p{  
    color:rgb(163, 94, 160)  
}
```

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(163, 94, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 94, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 45.150, 327.913 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(163, 94, 160) }
```

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

```
.border{ border-color:rgb(163, 94, 160) }
```

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

Here you see how a box with a 4 pixel rgb(163, 94, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 94, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 94, 160);  
box-shadow:4px 4px 4px 4px rgb(163, 94,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 45.150, 327.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 94, 160) }
```

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

```
.background{ background-color: rgb(163, 94,  
160) }
```

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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