

Converting Colors

CIELCh(50, 46.096, 326.533)

Have a look what the booklet for
CIELCh(50, 46.096, 326.533)
contains.

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Color

CIELCh(50, 46.327, 326.223)

Conversions

Conversions Part 1

Format	Color
Hex	A25EA3
RGB	162, 94, 163
RGB Percent	64%, 37%, 64%
CMY	0.3636, 0.6303, 0.3597
CMYK	0.01, 0.42, 0.00, 0.36
HSL	299°, 27%, 51%
HSV	299°, 42%, 64%
XYZ	25.6210, 18.4187, 36.9872
YIQ	122.1980, 18.3790, 35.8750

Conversions

Conversions Part 2

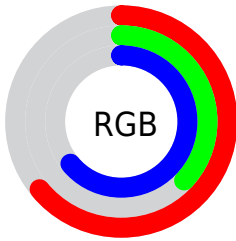
Format	Color
R_{YB}	162, 94, 163
Decimal	10641059
CIE _{Lab}	50.00, 38.51, -25.76
CIE _{LCh}	50, 46.327, 326.223
Yxy	18.4187, 0.3162, 0.2273
Android (android.graphics.Color)	4288831139 (0xFFA25EA3)
YUV	122.1980, 20.1154, 34.9064
Hunter-Lab	42.9170, 31.4581, -21.0562

Details

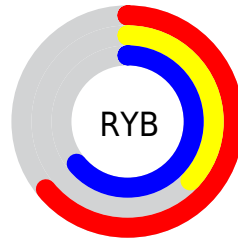
The CIELCh color $50, 46.327, 326.223$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $61, 46.386, 140.946$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 46.353, 326.225$, and $30, 46.510, 326.416$ is the 20% darker color. If you saturate the color by 10%, you get $47, 56.253, 326.661$, and if you desaturate by 10%, it is $54, 35.690, 325.739$.

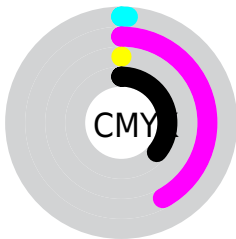
Distribution



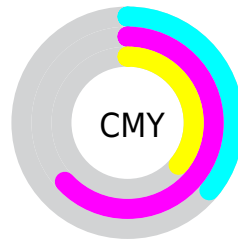
- Red (64%)
- Green (37%)
- Blue (64%)



- Red (64%)
- Yellow (37%)
- Blue (64%)



- Cyan (1%)
- Magenta (42%)
- Yellow (0%)
- Black (36%)





- Cyan (36%)
- Magenta (63%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 46.327, 326.223 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, 46.327, 326.223 by changing the saturation by 10% instead.


 50, 46.327,
326.223


 50, 46.327,
326.223


 100, 46.327,
326.223


 40, 46.327,
326.223


 70, 46.327,
326.223

 30, 46.327,
326.223


 80, 46.327,
326.223


 20, 46.327,
326.223

 90, 46.327,
326.223

 10, 46.327,
326.223

 0, 46.327, 326.223

 50, 46.327,
326.223

 50, 46.327,
326.223

47, 56.253,
326.661

54, 35.690,
325.739

44, 65.077,
327.036

58, 24.682,
325.224

42, 72.379,
327.330

62, 13.556,
324.691

40, 77.810,
327.531

66, 2.492, 324.091

39, 81.200,
327.634

71, 8.390, 143.686

38, 82.840,
327.669

75, 19.016,
143.168

80, 29.344,
142.680

84, 39.356,
142.219

89, 49.050,
141.785

Harmonies

Complementary

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



50, 46.327, 326.223



61, 46.386, 140.946

Rectangle

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



50, 46.327, 326.223



50, 46.327, 16.223



50, 46.327, 146.223



50, 46.327, 196.223

Sweetspot

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



50, 46.325, 326.223



78, 17.755, 324.743



43, 40.755, 295.215



40, 12.535, 324.857



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, 46.325, 326.223



60, 67.852, 326.648



49, 33.862, 346.848



32, 6.239, 324.527



34, 76.066, 327.674



2, 9.644, 323.927

Inverse Universe

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



48, 30.518, 22.496



57, 46.747, 24.323



62, 32.399, 158.660



32, 3.629, 18.736



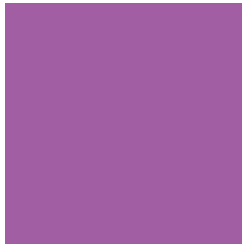
30, 67.557, 38.693



1, 5.466, 18.318

Previews

White Background



This preview shows how the CIELCh color 50, 46.327, 326.223 looks on a white background.

Color Contrast Check

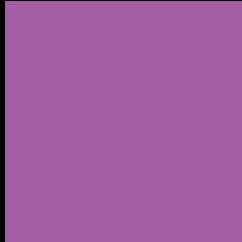
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.327, 326.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

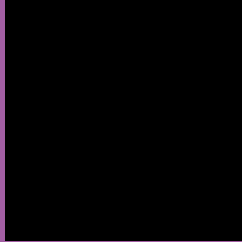
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 46.327, 326.223

Background



This preview shows how black text looks on a background with the CIELCh color 50, 46.327, 326.223.



This preview shows how white text looks on a background with the CIELCh color 50, 46.327, 326.223.

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, 46.327, 326.223

Protanopia
50, 38.159, 285.892

Deuteranopia
50, 24.063, 285.902



Tritanopia
50, 21.939, 10.160

Trichromacy



Original Color
50, 46.327, 326.223

Protanomaly
50, 38.993, 300.673

Deuteranomaly
50, 31.349, 306.157

Tritanomaly
50, 28.369, 345.554

Monochromacy



Original Color
50, 46.327, 326.223

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 17.588, 325.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 46.327, 326.223 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(162, 94, 163)` looks like.

```
.text, #text, p{  
    color:rgb(162, 94, 163)  
}
```

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(162, 94, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 94, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 46.327, 326.223 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(162, 94, 163) }
```

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

```
.border{ border-color:rgb(162, 94, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 94, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 94, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 94, 163);  
box-shadow:4px 4px 4px 4px rgb(162, 94,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 46.327, 326.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 94, 163) }
```

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

```
.background{ background-color: rgb(162, 94,  
163) }
```

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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