

Converting Colors

CIELCh(45, 65.317, 327.443)

Have a look what the booklet for
CIELCh(45, 65.317, 327.443)
contains.

CIELCh(45, 65.381, 327.459)	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, 65.381, 327.459)

Conversions

Conversions Part 1

Format	Color
Hex	A640A6
RGB	166, 64, 166
RGB Percent	65%, 25%, 65%
CMY	0.3488, 0.7488, 0.3488
CMYK	0.00, 0.61, 0.00, 0.35
HSL	300°, 44%, 45%
HSV	300°, 61%, 65%
XYZ	24.4627, 14.5417, 37.6205
YIQ	106.1260, 28.0500, 53.3460

Conversions

Conversions Part 2

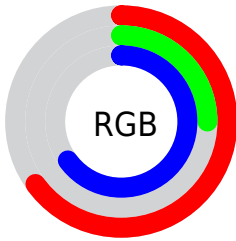
Format	Color
R_{YB}	166, 64, 166
Decimal	10895526
CIE _{Lab}	45.00, 55.12, -35.17
CIE _{LCh}	45, 65.381, 327.459
Yxy	14.5417, 0.3193, 0.1898
Android (android.graphics.Color)	4289085606 (0xFFA640A6)
YUV	106.1260, 29.5179, 52.5095
Hunter-Lab	38.1336, 47.7741, -31.7987

Details

The CIELCh color $45, 65.381, 327.459$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $61, 66.101, 139.180$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 65.658, 327.190$, and $26, 63.875, 327.239$ is the 20% darker color. If you saturate the color by 10%, you get $43, 72.869, 327.779$, and if you desaturate by 10%, it is $48, 56.358, 327.064$.

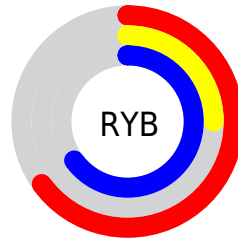
Distribution



Red (65%)

Green (25%)

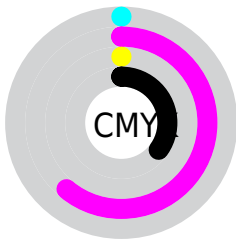
Blue (65%)



Red (65%)

Yellow (25%)

Blue (65%)

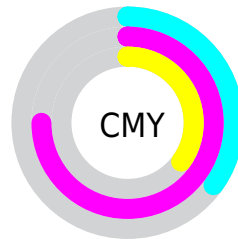


Cyan (0%)

Magenta (61%)

Yellow (0%)

Black (35%)



Cyan (35%)


Magenta (75%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 65.381, 327.459 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, 65.381, 327.459 by changing the saturation by 10% instead.


 45, 65.381,
327.459


 45, 65.381,
327.459


 100, 65.381,
327.459


 35, 65.381,
327.459

 65, 65.381,
327.459


 25, 65.381,
327.459

 75, 65.381,
327.459

 15, 65.381,
327.459

 85, 65.381,
327.459

 5, 65.381, 327.459

 95, 65.381,
327.459

 0, 65.381, 327.459

 45, 65.381,

 45, 65.381,

327.459

327.459

■ 43, 72.869,
327.779

■ 48, 56.358,
327.064

■ 41, 78.473,
328.014

■ 51, 46.226,
326.610

■ 40, 82.015,
328.160

■ 55, 35.386,
326.112

■ 39, 83.824,
328.234

■ 59, 24.175,
325.585

■ 63, 12.851,
325.040

■ 68, 1.595, 324.379

■ 72, 9.469, 144.014

■ 77, 20.268,
143.488

■ 81, 30.761,
142.992

Harmonies

Complementary

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



45, 65.381, 327.459



61, 66.101, 139.180

Rectangle

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



45, 65.381, 327.459



45, 65.381, 17.459



45, 65.381, 147.459



45, 65.381, 197.459

Sweetspot

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



45, 65.379, 327.459



77, 25.218, 325.418



33, 63.463, 299.703



40, 17.673, 325.570



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



45, 65.379, 327.459



55, 91.854, 327.882



43, 47.857, 350.751



33, 6.429, 324.921



35, 76.991, 328.234



2, 11.672, 324.440

Inverse Universe

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



45, 65.379, 327.459



55, 91.854, 327.882



61, 45.326, 156.817



33, 6.429, 324.921



35, 76.991, 328.234



2, 11.672, 324.440

Previews

White Background



This preview shows how the CIELCh color 45, 65.381, 327.459 looks on a white background.

Color Contrast Check

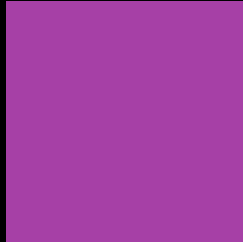
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.381, 327.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

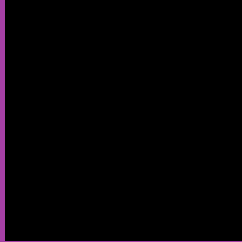
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 65.381, 327.459

Background



This preview shows how black text looks on a background with the CIELCh color 45, 65.381, 327.459.



This preview shows how white text looks on a background with the CIELCh color 45, 65.381, 327.459.

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, 65.381, 327.459

Protanopia

46, 58.981, 287.076

Deuteranopia

45, 31.977, 282.190



Tritanopia
45, 31.867, 16.936

Trichromacy



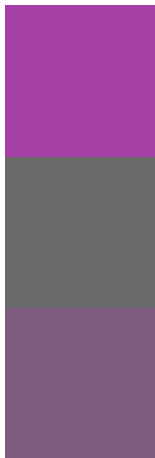
Original Color
45, 65.381, 327.459

Protanomaly
43, 60.412, 299.232

Deuteranomaly
44, 43.300, 305.700

Tritanomaly
44, 40.205, 348.779

Monochromacy



Original Color
45, 65.381, 327.459

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 26.348, 325.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 65.381, 327.459 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(166, 64, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 64, 166)  
}
```

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(166, 64, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 64, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 65.381, 327.459 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(166, 64, 166) }
```

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

```
.border{ border-color:rgb(166, 64, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 64, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 64, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 64, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 64,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 65.381, 327.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 64, 166) }
```

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

```
.background{ background-color: rgb(166, 64,  
166) }
```

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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