

Converting Colors

CIELCh(45, 55.799, 325.531)

Have a look what the booklet for
CIELCh(45, 55.799, 325.531)
contains.

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Color

CIELCh(45, 55.721, 325.342)

Conversions

Conversions Part 1

Format	Color
Hex	9B4BA0
RGB	155, 75, 160
RGB Percent	61%, 29%, 63%
CMY	0.3921, 0.7058, 0.3725
CMYK	0.03, 0.53, 0.00, 0.37
HSL	296°, 36%, 46%
HSV	296°, 53%, 63%
XYZ	22.3827, 14.5417, 34.8896
YIQ	108.6100, 20.3950, 43.3950

Conversions

Conversions Part 2

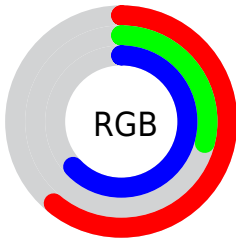
Format	Color
R_{YB}	155, 75, 160
Decimal	10177440
CIE _{Lab}	45.00, 45.83, -31.69
CIE _{LCh}	45, 55.721, 325.342
Yxy	14.5417, 0.3117, 0.2025
Android (android.graphics.Color)	4288367520 (0xFF9B4BA0)
YUV	108.6100, 25.3353, 40.6840
Hunter-Lab	38.1336, 38.0376, -27.5528

Details

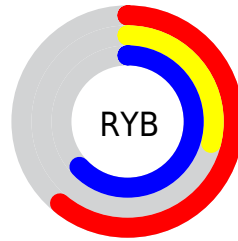
The CIELCh color `45, 55.721, 325.342` is a dark color, and the websafe version is hex `993399`. A complement of this color would be `59, 55.732, 138.967`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 55.780, 325.280`, and `25, 55.831, 325.250` is the 20% darker color. If you saturate the color by 10%, you get `42, 64.389, 325.669`, and if you desaturate by 10%, it is `48, 45.998, 324.941`.

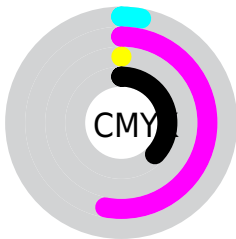
Distribution



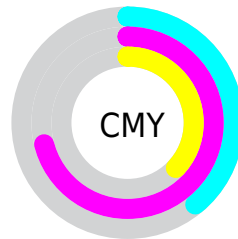
- Red (61%)
- Green (29%)
- Blue (63%)



- Red (61%)
- Yellow (29%)
- Blue (63%)



- Cyan (3%)
- Magenta (53%)
- Yellow (0%)
- Black (37%)





- Cyan (39%)
- Magenta (71%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 55.721, 325.342 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, 55.721, 325.342 by changing the saturation by 10% instead.


 45, 55.721,
325.342


 45, 55.721,
325.342


 100, 55.721,
325.342


 35, 55.721,
325.342

 65, 55.721,
325.342


 25, 55.721,
325.342

 75, 55.721,
325.342

 15, 55.721,
325.342

 85, 55.721,
325.342

 5, 55.721, 325.342

 95, 55.721,
325.342

 0, 55.721, 325.342

 45, 55.721,

 45, 55.721,

325.342

■ 42, 64.389,
325.669

■ 40, 71.587,
325.901

■ 38, 76.950,
326.017

■ 37, 80.286,
326.007

■ 36, 81.827,
325.955

325.342

■ 48, 45.998,
324.941

■ 52, 35.617,
324.488

■ 56, 24.897,
324.003


■ 60, 14.078,
323.499

■ 65, 3.328, 322.952

■ 69, 7.243, 142.552

■ 73, 17.567,
142.061

■ 78, 27.607,
141.604

 82, 37.347,
141.173

Harmonies

Complementary

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



45, 55.721, 325.342



59, 55.732, 138.967

Rectangle

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



45, 55.721, 325.342



45, 55.721, 15.342



45, 55.721, 145.342



45, 55.721, 195.342

Sweetspot

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



45, 55.719, 325.342



75, 21.382, 323.661



38, 48.668, 295.442



38, 14.418, 323.758



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 55.719, 325.342



54, 80.572, 325.727



44, 42.460, 345.350



31, 5.994, 323.298



32, 75.284, 325.977



1, 7.764, 322.491

Inverse Universe

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



43, 38.352, 21.343



51, 58.532, 24.530



60, 41.056, 154.834



31, 3.541, 15.138



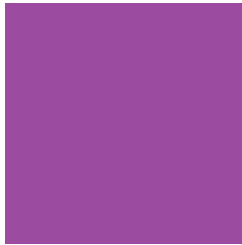
29, 65.112, 36.780



1, 4.492, 14.773

Previews

White Background



This preview shows how the CIELCh color 45, 55.721, 325.342 looks on a white background.

Color Contrast Check

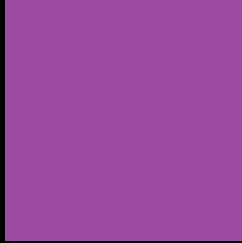
Large Text (above 18pt) WCAG AA ✓ Pass

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, 55.721, 325.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

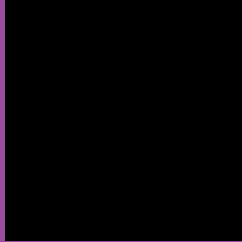
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 55.721, 325.342

Background



This preview shows how black text looks on a background with the CIELCh color 45, 55.721, 325.342.

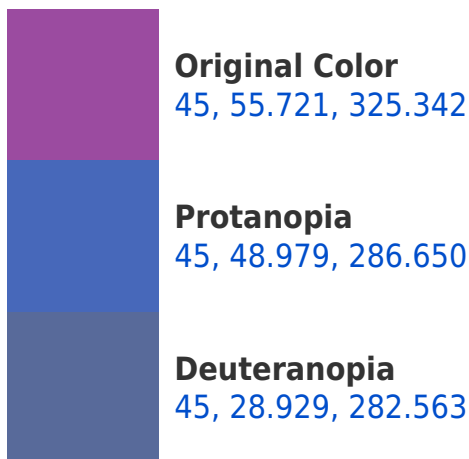


This preview shows how white text looks on a background with the CIELCh color 45, 55.721, 325.342.

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





Tritanopia
45, 24.603, 13.404

Trichromacy



Original Color
45, 55.721, 325.342

Protanomaly
44, 50.338, 299.734

Deuteranomaly
44, 37.081, 303.856

Tritanomaly
45, 33.082, 344.826

Monochromacy



Original Color
45, 55.721, 325.342

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 21.696, 323.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 55.721, 325.342 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(155, 75, 160)` looks like.

```
.text, #text, p{  
    color:rgb(155, 75, 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(155, 75, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 75, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 55.721, 325.342 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(155, 75, 160) }
```

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

```
.border{ border-color:rgb(155, 75, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 75, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 75, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 75, 160);  
box-shadow:4px 4px 4px 4px rgb(155, 75,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 55.721, 325.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 75, 160) }
```

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

```
.background{ background-color: rgb(155, 75,  
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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