

Converting Colors

CIELCh(45, 52.902, 356.980)

Have a look what the booklet for
CIELCh(45, 52.902, 356.980)
contains.

CIELCh(45, 52.902, 356.980)	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, 52.902, 356.980)

Conversions

Conversions Part 1

Format	Color
Hex	B63E71
RGB	182, 62, 113
RGB Percent	71%, 24%, 44%
CMY	0.2869, 0.7575, 0.5574
CMYK	0.00, 0.66, 0.38, 0.29
HSL	334°, 49%, 48%
HSV	334°, 66%, 71%
XYZ	23.9386, 14.5417, 17.1259
YIQ	103.6940, 55.1490, 41.3010

Conversions

Conversions Part 2

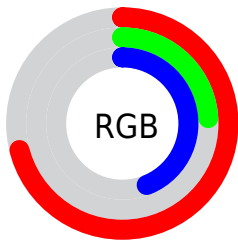
Format	Color
R_{YB}	182, 62, 113
Decimal	11943537
CIE _{Lab}	45.00, 52.83, -2.79
CIE _{LCh}	45, 52.902, 356.980
Yxy	14.5417, 0.4305, 0.2615
Android (android.graphics.Color)	4290133617 (0xFFB63E71)
YUV	103.6940, 4.5879, 68.6744
Hunter-Lab	38.1336, 45.3205, 0.0662

Details

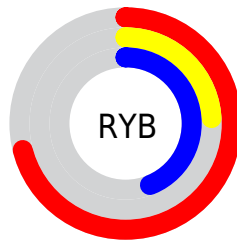
The CIELCh color **45, 52.902, 356.980** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **67, 48.234, 160.097**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 52.712, 356.784**, and **26, 50.361, 358.653** is the 20% darker color. If you saturate the color by 10%, you get **42, 58.454, 359.672**, and if you desaturate by 10%, it is **48, 46.033, 354.838**.

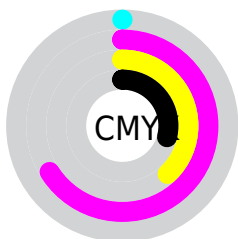
Distribution



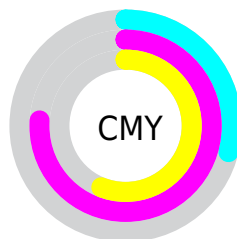
- Red (71%)
- Green (24%)
- Blue (44%)



- Red (71%)
- Yellow (24%)
- Blue (44%)



- Cyan (0%)
- Magenta (66%)
- Yellow (38%)
- Black (29%)





- Cyan (29%)
- Magenta (76%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 52.902, 356.980 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, 52.902, 356.980 by changing the saturation by 10% instead.


 45, 52.902,
356.980


 45, 52.902,
356.980


 100, 52.902,
356.980


 35, 52.902,
356.980

 65, 52.902,
356.980


 25, 52.902,
356.980

 75, 52.902,
356.980

 15, 52.902,
356.980

 85, 52.902,
356.980

 5, 52.902, 356.980

 95, 52.902,
356.980

 0, 52.902, 356.980

 45, 52.902,

 45, 52.902,

356.980

■ 42, 58.454,
359.672

■ 40, 62.399, 3.081

■ 39, 64.750, 7.345

■ 39, 65.566, 9.163

356.980

■ 48, 46.033,
354.838

■ 52, 38.268,
353.095

■ 57, 29.999,
351.645


■ 61, 21.538,
350.408

■ 66, 13.105,
349.326

■ 71, 4.839, 348.328

■ 76, 3.180, 167.693

■ 81, 10.915,
166.839

 86, 18.354,
166.127

Harmonies

Complementary

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



45, 52.902, 356.980



67, 48.234, 160.097

Rectangle

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



45, 52.902, 356.980



45, 52.902, 46.980



45, 52.902, 176.980



45, 52.902, 226.980

Sweetspot

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



45, 52.899, 356.981



82, 20.453, 349.781



40, 72.596, 314.210



42, 14.109, 350.087



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



45, 52.899, 356.981



54, 73.674, 1.058



45, 53.187, 32.414



36, 4.638, 348.664



33, 58.397, 8.495



2, 11.751, 355.025

Inverse Universe

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



45, 52.899, 356.981



54, 73.674, 1.058



65, 31.483, 205.149



36, 4.638, 348.664



33, 58.397, 8.495



2, 11.751, 355.025

Previews

White Background



This preview shows how the CIELCh color 45, 52.902, 356.980 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 45, 52.902, 356.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

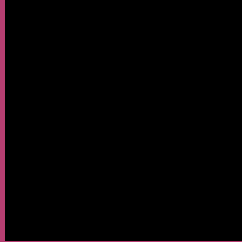
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 52.902, 356.980

Background



This preview shows how black text looks on a background with the CIELCh color 45, 52.902, 356.980.

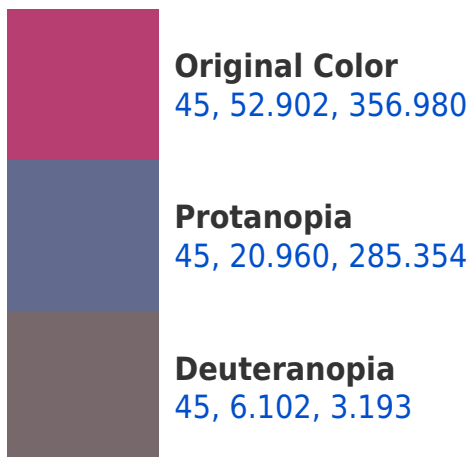


This preview shows how white text looks on a background with the CIELCh color 45, 52.902, 356.980.

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, 48.760, 24.832

Trichromacy



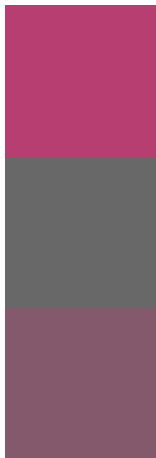
Original Color
45, 52.902, 356.980

Protanomaly
44, 28.499, 323.955

Deuteranomaly
44, 24.499, 354.295

Tritanomaly
45, 48.624, 14.144

Monochromacy



Original Color
45, 52.902, 356.980

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 20.799, 351.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 52.902, 356.980 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(182, 62, 113)` looks like.

```
.text, #text, p{  
    color:rgb(182, 62, 113)  
}
```

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(182, 62, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 62, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 52.902, 356.980 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(182, 62, 113) }
```

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

```
.border{ border-color:rgb(182, 62, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 62, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 62, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 62, 113);  
box-shadow:4px 4px 4px 4px rgb(182, 62,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 52.902, 356.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 62, 113) }
```

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

```
.background{ background-color: rgb(182, 62,  
113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor