

Converting Colors

CIELCh(42, 52.151, 346.025)

Have a look what the booklet for
CIELCh(42, 52.151, 346.025)
contains.

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Color

CIELCh(42, 52.213, 346.113)

Conversions

Conversions Part 1

Format	Color
Hex	A63A79
RGB	166, 58, 121
RGB Percent	65%, 23%, 47%
CMY	0.3493, 0.7728, 0.5257
CMYK	0.00, 0.65, 0.27, 0.35
HSL	325°, 48%, 44%
HSV	325°, 65%, 65%
XYZ	20.6715, 12.5000, 19.3951
YIQ	97.4740, 44.1450, 42.4890

Conversions

Conversions Part 2

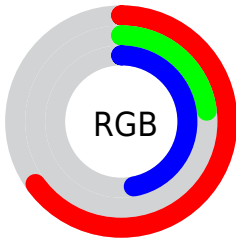
Format	Color
R_{YB}	166, 58, 121
Decimal	10893945
CIE _{Lab}	42.00, 50.69, -12.53
CIE _{LCh}	42, 52.213, 346.113
Yxy	12.5000, 0.3932, 0.2378
Android (android.graphics.Color)	4289084025 (0xFFFA63A79)
YUV	97.4740, 11.5983, 60.0973
Hunter-Lab	35.3553, 42.4932, -7.7764

Details

The CIELCh color **42, 52.213, 346.113** is a dark color, and the websafe version is hex **993366**, and the color name is **maximum red purple**. A complement of this color would be **61, 51.193, 152.251**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 52.093, 346.365**, and **23, 48.789, 347.129** is the 20% darker color. If you saturate the color by 10%, you get **39, 57.438, 347.843**, and if you desaturate by 10%, it is **45, 45.577, 344.678**.

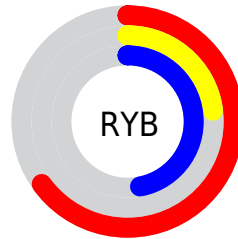
Distribution



Red (65%)

Green (23%)

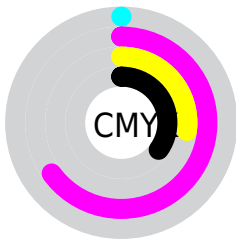
Blue (47%)



Red (65%)

Yellow (23%)

Blue (47%)

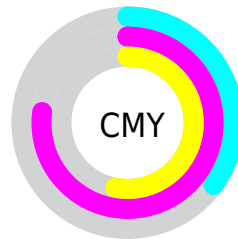


Cyan (0%)

Magenta (65%)

Yellow (27%)

Black (35%)



Cyan (35%)


Magenta (77%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 52.213, 346.113 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 42, 52.213, 346.113 by changing the saturation by 10% instead.


 42, 52.213,
346.113


 42, 52.213,
346.113


 100, 52.213,
346.113


 32, 52.213,
346.113

 62, 52.213,
346.113


 22, 52.213,
346.113

 72, 52.213,
346.113

 12, 52.213,
346.113

 82, 52.213,
346.113

 2, 52.213, 346.113

 92, 52.213,
346.113

 0, 52.213, 346.113

 42, 52.213,

 42, 52.213,

346.113

346.113

■ 39, 57.438,
347.843

■ 45, 45.577,
344.678

■ 38, 60.909,
349.977

■ 49, 37.959,
343.454

■ 36, 62.510,
352.636

■ 53, 29.748,
342.385

■ 36, 62.997,
354.055

■ 57, 21.253,
341.429

■ 61, 12.701,
340.558

■ 66, 4.239, 339.719

■ 70, 4.042, 159.151

■ 75, 12.091,
158.424

■ 80, 19.887,
157.788

Harmonies

Complementary

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



42, 52.213, 346.113



61, 51.193, 152.251

Rectangle

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



42, 52.213, 346.113



42, 52.213, 36.113



42, 52.213, 166.113



42, 52.213, 216.113

Sweetspot

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



42, 52.210, 346.114



75, 21.015, 341.010



35, 66.634, 309.479



39, 14.474, 341.249



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



42, 52.210, 346.114



51, 72.213, 348.719



40, 48.574, 21.540



33, 4.796, 340.078



32, 57.986, 353.714



2, 8.214, 343.307

Inverse Universe

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



42, 52.210, 346.114



51, 72.213, 348.719



62, 33.136, 185.953



33, 4.796, 340.078



32, 57.986, 353.714



2, 8.214, 343.307

Previews

White Background



This preview shows how the CIELCh color 42, 52.213, 346.113 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 42, 52.213, 346.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

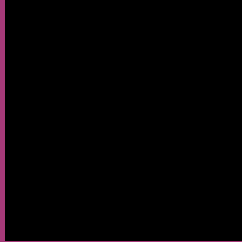
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 52.213, 346.113

Background



This preview shows how black text looks on a background with the CIELCh color 42, 52.213, 346.113.



This preview shows how white text looks on a background with the CIELCh color 42, 52.213, 346.113.

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

42, 52.213, 346.113

Protanopia

42, 31.539, 285.428

Deuteranopia

42, 11.099, 301.916



Tritanopia
42, 41.914, 23.340

Trichromacy



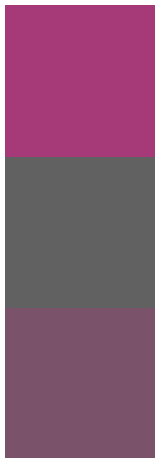
Original Color
42, 52.213, 346.113

Protanomaly
41, 35.717, 312.166

Deuteranomaly
41, 26.334, 332.252

Tritanomaly
42, 42.862, 7.841

Monochromacy



Original Color
42, 52.213, 346.113

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 21.176, 341.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 52.213, 346.113 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, 58, 121)` looks like.

```
.text, #text, p{  
    color:rgb(166, 58, 121)  
}
```

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, 58, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 58, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 52.213, 346.113 is called "border". The border property can be set on classes, ids or directly on the HTML element.

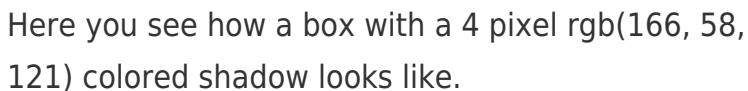
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 58, 121) }
```

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

```
.border{ border-color:rgb(166, 58, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 58, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 58, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 58, 121); box-shadow:4px 4px 4px 4px rgb(166, 58, 121) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 52.213, 346.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 58, 121) }
```

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

```
.background{ background-color: rgb(166, 58,  
121) }
```

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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