

Converting Colors

CIELCh(42, 65.936, 10.594)

Have a look what the booklet for
CIELCh(42, 65.936, 10.594) contains.

CIELCh(42, 66.053, 10.954)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 66.053, 10.954)

Conversions

Conversions Part 1

Format	Color
Hex	C11752
RGB	193, 23, 82
RGB Percent	76%, 9%, 32%
CMY	0.2442, 0.9116, 0.6793
CMYK	0.00, 0.88, 0.58, 0.24
HSL	339°, 79%, 42%
HSV	339°, 88%, 76%
XYZ	23.7322, 12.5000, 9.1018
YIQ	80.5560, 82.3810, 54.3890

Conversions

Conversions Part 2

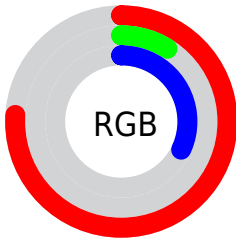
Format	Color
RYB	193, 23, 82
Decimal	12654418
CIELab	42.00, 64.85, 12.55
CIELCh	42, 66.053, 10.954
Yxy	12.5000, 0.5235, 0.2757
Android (android.graphics.Color)	4290844498 (0xFFC11752)
YUV	80.5560, 0.7119, 98.6134
Hunter-Lab	35.3553, 57.9458, 9.4852

Details

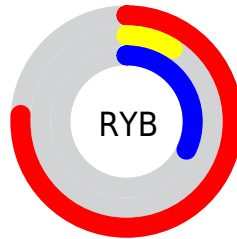
The CIELCh color **42, 66.053, 10.954** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **69, 56.957, 160.695**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 65.821, 11.035**, and **27, 53.596, 20.439** is the 20% darker color. If you saturate the color by 10%, you get **41, 69.145, 15.973**, and if you desaturate by 10%, it is **44, 61.726, 6.792**.

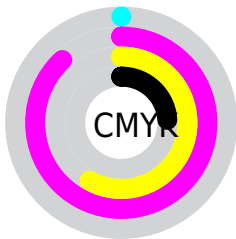
Distribution



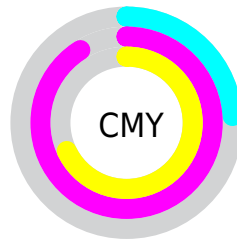
- Red (76%)
- Green (9%)
- Blue (32%)



- Red (76%)
- Yellow (9%)
- Blue (32%)



- Cyan (0%)
- Magenta (88%)
- Yellow (58%)
- Black (24%)



- Cyan (24%)
- Magenta (91%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 66.053, 10.954 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, 66.053, 10.954 by changing the saturation by 10% instead.

 42, 66.053, 10.954

 42, 66.053, 10.954

 100, 66.053,
10.954

 32, 66.053, 10.954

 62, 66.053, 10.954

 22, 66.053, 10.954

 72, 66.053, 10.954

 12, 66.053, 10.954

 82, 66.053, 10.954

 2, 66.053, 10.954

 92, 66.053, 10.954

 0, 66.053, 10.954

 42, 66.053, 10.954

 42, 66.053, 10.954

 41, 69.145, 15.973

 44, 61.726, 6.792

 41, 69.678, 16.828

 47, 55.917, 3.489

■ 50, 48.829, 0.882

■ 54, 40.846,
358.800

■ 59, 32.365,
357.105

■ 63, 23.715,
355.692

■ 68, 15.127,
354.484

■ 74, 6.748, 353.411

■ 79, 1.342, 172.900

Harmonies

Complementary

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



42, 66.053, 10.954



69, 56.957, 160.695

Rectangle

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



42, 66.053, 10.954



42, 66.053, 60.954



42, 66.053, 190.954



42, 66.053, 240.954

Sweetspot

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



42, 66.050, 10.956



82, 26.837, 355.449



37, 93.447, 316.469



41, 18.262, 355.901



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



42, 66.050, 10.956



53, 85.029, 17.799



43, 73.819, 40.898



38, 4.635, 353.523



34, 60.711, 16.000



3, 14.821, 0.996

Inverse Universe

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



42, 66.050, 10.956



53, 85.029, 17.799



63, 34.654, 221.653



38, 4.635, 353.523



34, 60.711, 16.000



3, 14.821, 0.996

Previews

White Background



This preview shows how the CIELCh color 42, 66.053, 10.954 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, 66.053, 10.954 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, 66.053, 10.954

Background



This preview shows how black text looks on a background with the CIELCh color 42, 66.053, 10.954.



This preview shows how white text looks on a background with the CIELCh color 42, 66.053, 10.954.

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, 66.053, 10.954

Protanopia

43, 10.289, 285.233

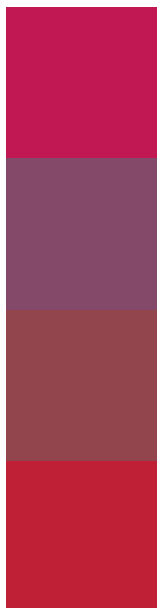
Deuteranopia

42, 17.141, 69.779



Tritanopia
42, 70.709, 33.806

Trichromacy



Original Color
42, 66.053, 10.954

Protanomaly
39, 30.839, 346.178

Deuteranomaly
39, 34.928, 17.810

Tritanomaly
42, 68.086, 26.029

Monochromacy



Original Color
42, 66.053, 10.954

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 29.673, 358.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 66.053, 10.954 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(193, 23, 82)` looks like.

```
.text, #text, p{  
  color:rgb(193, 23, 82)  
}
```

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(193, 23, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 23, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 66.053, 10.954 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(193, 23, 82) }
```

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

```
.border{ border-color:rgb(193, 23, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 23, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 23, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 23, 82);  
box-shadow:4px 4px 4px 4px rgb(193, 23,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 66.053, 10.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 23, 82) }
```

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

```
.background{ background-color: rgb(193, 23,  
82) }
```

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