

Converting Colors

CIELCh(42, 61.437, 14.635)

Have a look what the booklet for
CIELCh(42, 61.437, 14.635) contains.

CIELCh(42, 61.460, 14.467)	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, 61.460, 14.467)

Conversions

Conversions Part 1

Format	Color
Hex	BB264D
RGB	187, 38, 77
RGB Percent	73%, 15%, 30%
CMY	0.2664, 0.8506, 0.6979
CMYK	0.00, 0.80, 0.59, 0.27
HSL	344°, 66%, 44%
HSV	344°, 80%, 73%
XYZ	22.5454, 12.5000, 8.2545
YIQ	86.9970, 76.2850, 43.7170

Conversions

Conversions Part 2

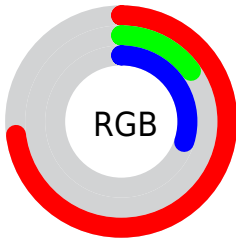
Format	Color
RYB	187, 38, 77
Decimal	12265037
CIELab	42.00, 59.51, 15.35
CIELCh	42, 61.460, 14.467
Yxy	12.5000, 0.5207, 0.2887
Android (android.graphics.Color)	4290455117 (0xFFBB264D)
YUV	86.9970, -4.9285, 87.7026
Hunter-Lab	35.3553, 51.9540, 10.9062

Details

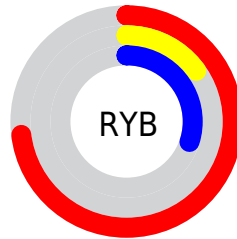
The CIELCh color **42, 61.460, 14.467** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **68, 47.665, 168.962**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 61.707, 14.205**, and **26, 52.549, 21.966** is the 20% darker color. If you saturate the color by 10%, you get **40, 66.499, 19.106**, and if you desaturate by 10%, it is **45, 55.260, 10.716**.

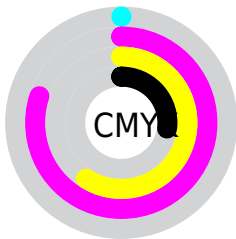
Distribution



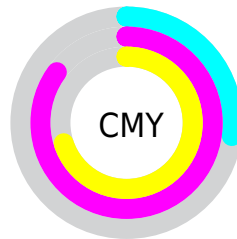
- Red (73%)
- Green (15%)
- Blue (30%)



- Red (73%)
- Yellow (15%)
- Blue (30%)



- Cyan (0%)
- Magenta (80%)
- Yellow (59%)
- Black (27%)



- Cyan (27%)
- Magenta (85%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 61.460, 14.467 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, 61.460, 14.467 by changing the saturation by 10% instead.

 42, 61.460, 14.467

 42, 61.460, 14.467

 100, 61.460,
14.467

 32, 61.460, 14.467

 62, 61.460, 14.467

 22, 61.460, 14.467

 72, 61.460, 14.467

 12, 61.460, 14.467

 82, 61.460, 14.467

 2, 61.460, 14.467

 92, 61.460, 14.467

 0, 61.460, 14.467

 42, 61.460, 14.467

 42, 61.460, 14.467

 40, 66.499, 19.106

 45, 55.260, 10.716

 39, 70.753, 24.369

 48, 48.039, 7.742

39, 70.913, 24.551

52, 40.110, 5.386

56, 31.824, 3.495

61, 23.474, 1.949

66, 15.269, 0.654

71, 7.335, 359.531

76, 0.263, 180.429

81, 7.501, 177.888

Harmonies

Complementary

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



42, 61.460, 14.467



68, 47.665, 168.962

Rectangle

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



42, 61.460, 14.467



42, 61.460, 64.467



42, 61.460, 194.467



42, 61.460, 244.467

Sweetspot

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



42, 61.457, 14.469



80, 23.234, 1.242



40, 85.510, 319.237



41, 16.195, 1.717



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



42, 61.457, 14.469



51, 84.713, 23.349



46, 61.825, 44.254



37, 4.340, 359.500



33, 62.292, 23.749



3, 12.711, 4.698

Inverse Universe

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



42, 61.457, 14.469



51, 84.713, 23.349



59, 32.793, 234.903



37, 4.340, 359.500



33, 62.292, 23.749



3, 12.711, 4.698

Previews

White Background



This preview shows how the CIELCh color 42, 61.460, 14.467 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 42, 61.460, 14.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

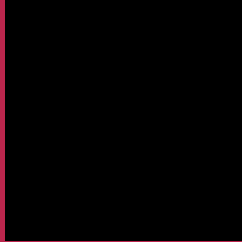
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 61.460, 14.467

Background



This preview shows how black text looks on a background with the CIELCh color 42, 61.460, 14.467.



This preview shows how white text looks on a background with the CIELCh color 42, 61.460, 14.467.

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, 61.460, 14.467

Protanopia

43, 3.621, 290.719

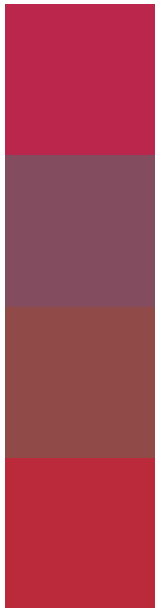
Deuteranopia

42, 19.143, 73.603



Tritanopia
42, 64.936, 31.346

Trichromacy



Original Color
42, 61.460, 14.467

Protanomaly
40, 25.676, 358.896

Deuteranomaly
40, 32.158, 26.512

Tritanomaly
42, 62.983, 25.345

Monochromacy



Original Color
42, 61.460, 14.467

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 25.075, 4.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 61.460, 14.467 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(187, 38, 77)` looks like.

```
.text, #text, p{  
    color:rgb(187, 38, 77)  
}
```

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(187, 38, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 38, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 61.460, 14.467 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(187, 38, 77) }
```

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

```
.border{ border-color:rgb(187, 38, 77) }
```

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

Here you see how a box with a 4 pixel rgb(187, 38, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 38, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 38, 77);  
box-shadow:4px 4px 4px 4px rgb(187, 38,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 61.460, 14.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 38, 77) }
```

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

```
.background{ background-color: rgb(187, 38,  
77) }
```

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