

Converting Colors

CIELCh(42, 55.405, 18.247)

Have a look what the booklet for
CIELCh(42, 55.405, 18.247) contains.

CIELCh(42, 55.440, 18.381)	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, 55.440, 18.381)

Conversions

Conversions Part 1

Format	Color
Hex	B33349
RGB	179, 51, 73
RGB Percent	70%, 20%, 29%
CMY	0.2968, 0.7988, 0.7128
CMYK	0.00, 0.71, 0.59, 0.30
HSL	350°, 55%, 45%
HSV	350°, 71%, 70%
XYZ	21.0710, 12.5000, 7.6474
YIQ	91.7800, 69.2260, 33.9780

Conversions

Conversions Part 2

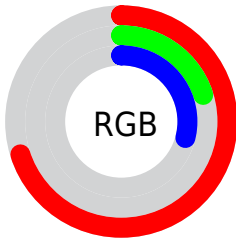
Format	Color
R_{YB}	179, 51, 73
Decimal	11744073
CIE _{Lab}	42.00, 52.61, 17.48
CIE _{LCh}	42, 55.440, 18.381
Yxy	12.5000, 0.5112, 0.3033
Android (android.graphics.Color)	4289934153 (0xFFB33349)
YUV	91.7800, -9.2585, 76.4919
Hunter-Lab	35.3553, 44.5101, 11.9242

Details

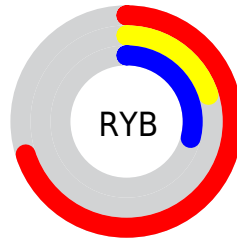
The CIELCh color **42, 55.440, 18.381** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **66, 39.506, 178.214**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 55.713, 18.424**, and **24, 50.792, 23.113** is the 20% darker color. If you saturate the color by 10%, you get **40, 62.186, 22.405**, and if you desaturate by 10%, it is **45, 47.931, 15.145**.

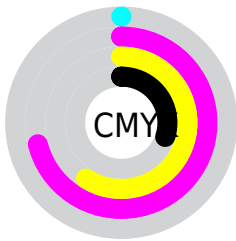
Distribution



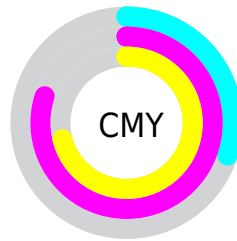
- Red (70%)
- Green (20%)
- Blue (29%)



- Red (70%)
- Yellow (20%)
- Blue (29%)



- Cyan (0%)
- Magenta (71%)
- Yellow (59%)
- Black (30%)



- Cyan (30%)
- Magenta (80%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 55.440, 18.381 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, 55.440, 18.381 by changing the saturation by 10% instead.

 42, 55.440, 18.381

 42, 55.440, 18.381

 100, 55.440,
18.381

 32, 55.440, 18.381

 62, 55.440, 18.381

 22, 55.440, 18.381

 72, 55.440, 18.381

 12, 55.440, 18.381

 82, 55.440, 18.381

 2, 55.440, 18.381

 92, 55.440, 18.381

 0, 55.440, 18.381

 42, 55.440, 18.381

 42, 55.440, 18.381

 40, 62.186, 22.405

 45, 47.931, 15.145

 38, 68.059, 27.171

 49, 39.927, 12.582

37, 72.630, 31.403

53, 31.726, 10.549

58, 23.585, 8.918

62, 15.683, 7.582

67, 8.127, 6.454

72, 0.962, 5.088

77, 5.802, 184.871

83, 12.179,
184.135

Harmonies

Complementary

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



42, 55.440, 18.381



66, 39.506, 178.214

Rectangle

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



42, 55.440, 18.381



42, 55.440, 68.381



42, 55.440, 198.381



42, 55.440, 248.381

Sweetspot

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



42, 55.437, 18.383



79, 18.993, 7.579



42, 76.719, 321.886



41, 13.050, 7.918



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



42, 55.437, 18.383



50, 79.865, 25.218



49, 50.419, 50.129



35, 4.006, 6.237



31, 64.172, 30.682



2, 9.347, 8.543

Inverse Universe

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



42, 55.437, 18.383



50, 79.865, 25.218



54, 31.398, 246.528



35, 4.006, 6.237



31, 64.172, 30.682



2, 9.347, 8.543

Previews

White Background



This preview shows how the CIELCh color 42, 55.440, 18.381 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, 55.440, 18.381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

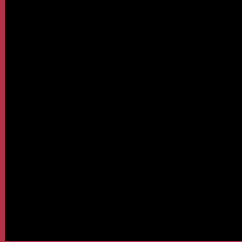
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 55.440, 18.381

Background



This preview shows how black text looks on a background with the CIELCh color 42, 55.440, 18.381.



This preview shows how white text looks on a background with the CIELCh color 42, 55.440, 18.381.

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, 55.440, 18.381

Protanopia

42, 3.252, 86.684

Deuteranopia

42, 20.960, 74.839



Tritanopia
42, 57.460, 28.582

Trichromacy



Original Color
42, 55.440, 18.381

Protanomaly
40, 21.932, 14.986

Deuteranomaly
41, 30.467, 35.729

Tritanomaly
42, 56.448, 24.918

Monochromacy



Original Color
42, 55.440, 18.381

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 21.309, 9.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 55.440, 18.381 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(179, 51, 73)` looks like.

```
.text, #text, p{  
    color:rgb(179, 51, 73)  
}
```

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(179, 51, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 51, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 55.440, 18.381 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(179, 51, 73) }
```

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

```
.border{ border-color:rgb(179, 51, 73) }
```

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

Here you see how a box with a 4 pixel rgb(179, 51, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 51, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 51, 73);  
box-shadow:4px 4px 4px 4px rgb(179, 51,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 55.440, 18.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 51, 73) }
```

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

```
.background{ background-color: rgb(179, 51,  
73) }
```

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