

Converting Colors

CIELCh(42, 5.688, 157.471)

Have a look what the booklet for
CIELCh(42, 5.688, 157.471) contains.

CIELCh(42, 6.255, 156.259)	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, 6.255, 156.259)

Conversions

Conversions Part 1

Format	Color
Hex	5B665F
RGB	91, 102, 95
RGB Percent	36%, 40%, 37%
CMY	0.6439, 0.6008, 0.6282
CMYK	0.11, 0.00, 0.07, 0.60
HSL	142°, 6%, 38%
HSV	142°, 11%, 40%
XYZ	11.0831, 12.5000, 12.6078
YIQ	97.9130, -4.3090, -4.5090

Conversions

Conversions Part 2

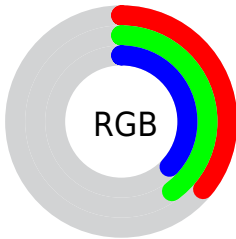
Format	Color
R_{YB}	91, 99, 102
Decimal	5989983
CIE Lab	42.00, -5.73, 2.52
CIE LCh	42, 6.255, 156.259
Yxy	12.5000, 0.3062, 0.3454
Android (android.graphics.Color)	4284180063 (0xFF5B665F)
YUV	97.9130, -1.4361, -6.0627
Hunter-Lab	35.3553, -5.9160, 3.6058

Details

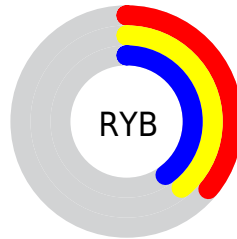
The CIELCh color $42, 6.255, 156.259$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $40, 6.301, 337.681$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 6.480, 155.162$, and $22, 6.148, 157.428$ is the 20% darker color. If you saturate the color by 10%, you get $41, 12.071, 155.451$, and if you desaturate by 10%, it is $43, 0.459, 157.402$.

Distribution



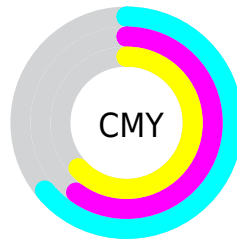
- Red (36%)
- Green (40%)
- Blue (37%)



- Red (36%)
- Yellow (39%)
- Blue (40%)



- Cyan (11%)
- Magenta (0%)
- Yellow (7%)
- Black (60%)



- Cyan (64%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 6.255, 156.259 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, 6.255, 156.259 by changing the saturation by 10% instead.

■ 42, 6.255, 156.259 ■ 42, 6.255, 156.259

■ 100, 6.255,
156.259 ■ 32, 6.255, 156.259

■ 62, 6.255, 156.259 ■ 22, 6.255, 156.259

■ 72, 6.255, 156.259 ■ 12, 6.255, 156.259

■ 82, 6.255, 156.259 ■ 2, 6.255, 156.259

■ 92, 6.255, 156.259 ■ 0, 6.255, 156.259

■ 42, 6.255, 156.259 ■ 42, 6.255, 156.259

■ 41, 12.071,
155.451 ■ 43, 0.459, 157.402

■ 40, 17.840, ■ 44, 5.272, 337.510

154.555

45, 10.898,
338.098

39, 23.487,
153.541

47, 16.395,
338.619

39, 28.924,
152.389

48, 21.747,
339.092

38, 34.059,
151.082

49, 26.943,
339.526

38, 38.802,
149.604

51, 31.980,
339.926

38, 43.076,
147.951

52, 36.858,
340.297

37, 46.830,
146.136

54, 41.580,
340.643

37, 50.007,
144.583

Harmonies

Complementary

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



42, 6.255, 156.259



40, 6.301, 337.681

Rectangle

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



42, 6.255, 156.259



42, 6.255, 206.259



42, 6.255, 336.259



42, 6.255, 26.259

Sweetspot

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



42, 6.256, 156.257



55, 2.147, 156.893



42, 6.811, 123.140



28, 1.616, 156.826



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



42, 6.256, 156.257



54, 9.362, 156.056



42, 4.592, 186.353



21, 3.254, 156.402



42, 54.827, 144.256



84, 98.050, 142.880

Inverse Universe

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



40, 6.301, 337.681



50, 9.441, 337.871



40, 4.808, 7.986



20, 3.275, 337.541



24, 49.736, 348.622



53, 85.284, 350.346

Previews

White Background



This preview shows how the CIELCh color 42, 6.255, 156.259 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, 6.255, 156.259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

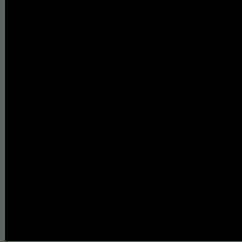
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

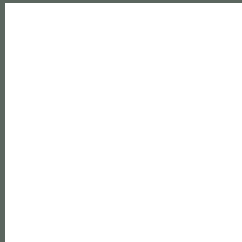
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 6.255, 156.259

Background



This preview shows how black text looks on a background with the CIELCh color 42, 6.255, 156.259.



This preview shows how white text looks on a background with the CIELCh color 42, 6.255, 156.259.

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, 6.255, 156.259

Protanopia

42, 3.821, 90.065

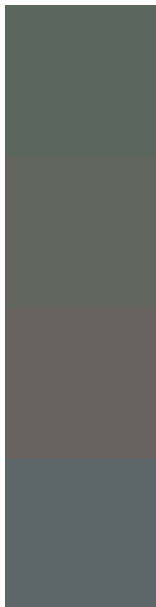
Deuteranopia

42, 5.980, 20.137



Tritanopia
42, 5.512, 260.771

Trichromacy



Original Color
42, 6.255, 156.259

Protanomaly
42, 3.714, 122.758

Deuteranomaly
42, 2.423, 49.282

Tritanomaly
42, 3.793, 217.680

Monochromacy



Original Color
42, 6.255, 156.259

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 2.064, 163.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 6.255, 156.259 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(91, 102, 95)` looks like.

```
.text, #text, p{  
    color:rgb(91, 102, 95)  
}
```

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(91, 102, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 102, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 6.255, 156.259 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(91, 102, 95) }
```

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

```
.border{ border-color:rgb(91, 102, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 102, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 102, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 102, 95);  
box-shadow:4px 4px 4px 4px rgb(91, 102,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 6.255, 156.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 102, 95) }
```

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

```
.background{ background-color: rgb(91, 102,  
95) }
```

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