

Converting Colors

CIELCh(42, 7.516, 164.326)

Have a look what the booklet for
CIELCh(42, 7.516, 164.326) contains.

CIELCh(42, 7.516, 164.326)	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, 7.516, 164.326)

Conversions

Conversions Part 1

Format	Color
Hex	586760
RGB	88, 103, 96
RGB Percent	35%, 40%, 38%
CMY	0.6566, 0.5978, 0.6253
CMYK	0.15, 0.00, 0.07, 0.60
HSL	152°, 8%, 37%
HSV	152°, 15%, 40%
XYZ	10.8787, 12.5000, 12.7980
YIQ	97.7170, -6.6930, -5.3570

Conversions

Conversions Part 2

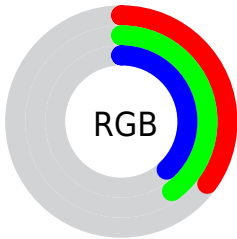
Format	Color
R_{YB}	88, 98, 103
Decimal	5793632
CIE Lab	42.00, -7.24, 2.03
CIE LCh	42, 7.516, 164.326
Yxy	12.5000, 0.3007, 0.3455
Android (android.graphics.Color)	4283983712 (0xFF586760)
YUV	97.7170, -0.8465, -8.5218
Hunter-Lab	35.3553, -6.9479, 3.2868

Details

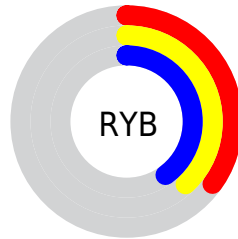
The CIELCh color $42, 7.516, 164.326$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $39, 7.671, 346.662$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 7.641, 162.843$, and $22, 7.536, 165.733$ is the 20% darker color. If you saturate the color by 10%, you get $41, 12.613, 163.391$, and if you desaturate by 10%, it is $43, 2.373, 165.232$.

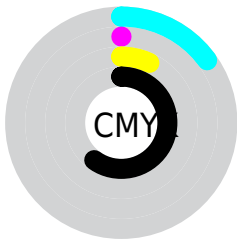
Distribution



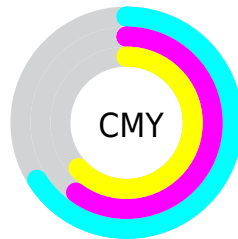
- Red (35%)
- Green (40%)
- Blue (38%)



- Red (35%)
- Yellow (38%)
- Blue (40%)



- Cyan (15%)
- Magenta (0%)
- Yellow (7%)
- Black (60%)



- Cyan (66%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 7.516, 164.326 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, 7.516, 164.326 by changing the saturation by 10% instead.

■ 42, 7.516, 164.326

■ 42, 7.516, 164.326

■ 100, 7.516,
164.326

■ 32, 7.516, 164.326

■ 62, 7.516, 164.326

■ 22, 7.516, 164.326

■ 72, 7.516, 164.326

■ 12, 7.516, 164.326

■ 82, 7.516, 164.326

■ 2, 7.516, 164.326

■ 92, 7.516, 164.326

■ 0, 7.516, 164.326

■ 42, 7.516, 164.326

■ 42, 7.516, 164.326

■ 41, 12.613,
163.391

■ 43, 2.373, 165.232

■ 40, 17.598,

■ 44, 2.766, 345.797

162.369

45, 7.860, 346.565

40, 22.400,
161.234

46, 12.876,
347.235

39, 26.942,
159.965

48, 17.792,
347.855

39, 31.150,
158.540

49, 22.592,
348.436

38, 34.959,
156.941

50, 27.269,
348.982

38, 38.327,
155.156

52, 31.818,
349.500

38, 41.287,
153.229

53, 36.237,
349.991

38, 42.846,
152.274

Harmonies

Complementary

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



42, 7.516, 164.326



39, 7.671, 346.662

Rectangle

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



42, 7.516, 164.326



42, 7.516, 214.326



42, 7.516, 344.326



42, 7.516, 34.326

Sweetspot

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



42, 7.517, 164.323



55, 2.538, 165.286



42, 9.645, 129.631



28, 1.789, 165.225



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, 7.517, 164.323



53, 11.421, 163.969



42, 5.779, 201.761



21, 2.875, 164.830



42, 46.692, 151.949



85, 83.402, 150.457

Inverse Universe

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



39, 7.671, 346.662



48, 11.715, 347.022



39, 6.318, 22.987



19, 2.913, 346.149



23, 46.932, 3.080



52, 81.211, 6.075

Previews

White Background



This preview shows how the CIELCh color 42, 7.516, 164.326 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, 7.516, 164.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

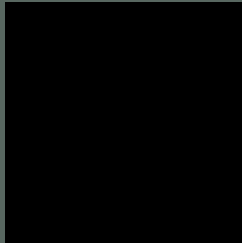
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 7.516, 164.326

Background



This preview shows how black text looks on a background with the CIELCh color 42, 7.516, 164.326.



This preview shows how white text looks on a background with the CIELCh color 42, 7.516, 164.326.

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

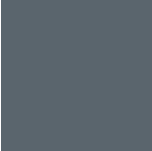
42, 7.516, 164.326

Protanopia

42, 3.821, 90.065

Deuteranopia

42, 5.559, 13.889



Tritanopia
42, 6.378, 248.519

Trichromacy



Original Color
42, 7.516, 164.326

Protanomaly
42, 3.838, 128.843

Deuteranomaly
42, 1.736, 63.271

Tritanomaly
42, 5.283, 212.112

Monochromacy



Original Color
42, 7.516, 164.326

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 2.774, 158.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 7.516, 164.326 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(88, 103, 96)` looks like.

```
.text, #text, p{  
    color:rgb(88, 103, 96)  
}
```

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(88, 103, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 103, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 7.516, 164.326 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(88, 103, 96) }
```

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

```
.border{ border-color:rgb(88, 103, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 103, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 103, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 103, 96);  
box-shadow:4px 4px 4px 4px rgb(88, 103,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 7.516, 164.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 103, 96) }
```

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

```
.background{ background-color: rgb(88, 103,  
96) }
```

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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