

Converting Colors

CIELCh(42, 6.902, 20.518)

Have a look what the booklet for
CIELCh(42, 6.902, 20.518) contains.

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Color

CIELCh(42, 6.867, 20.269)

Conversions

Conversions Part 1

Format	Color
Hex	6F5F5F
RGB	111, 95, 95
RGB Percent	44%, 37%, 37%
CMY	0.5630, 0.6258, 0.6258
CMYK	0.00, 0.14, 0.14, 0.56
HSL	0°, 8%, 41%
HSV	0°, 14%, 44%
XYZ	12.8231, 12.5000, 12.6620
YIQ	99.7840, 9.5360, 3.3920

Conversions

Conversions Part 2

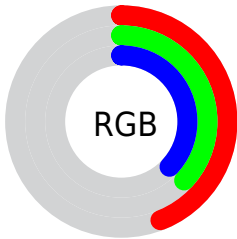
Format	Color
R_{YB}	111, 95, 95
Decimal	7298911
CIE Lab	42.00, 6.44, 2.38
CIE LCh	42, 6.867, 20.269
Yxy	12.5000, 0.3376, 0.3291
Android (android.graphics.Color)	4285488991 (0xFF6F5F5F)
YUV	99.7840, -2.3585, 9.8364
Hunter-Lab	35.3553, 2.8689, 3.5150

Details

The CIELCh color $42, 6.867, 20.269$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 6.293, 198.747$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 7.127, 20.042$, and $22, 6.771, 20.773$ is the 20% darker color. If you saturate the color by 10%, you get $39, 12.083, 21.147$, and if you desaturate by 10%, it is $45, 2.012, 19.490$.

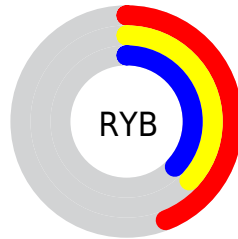
Distribution



Red (44%)

Green (37%)

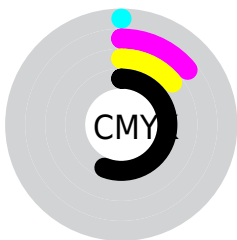
Blue (37%)



Red (44%)

Yellow (37%)

Blue (37%)

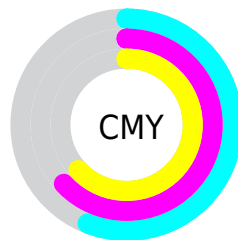


Cyan (0%)

Magenta (14%)

Yellow (14%)

Black (56%)



Cyan (56%)

Magenta (63%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 6.867, 20.269 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, 6.867, 20.269 by changing the saturation by 10% instead.

 42, 6.867, 20.269  42, 6.867, 20.269


 100, 6.867, 20.269  32, 6.867, 20.269

 62, 6.867, 20.269  22, 6.867, 20.269


 72, 6.867, 20.269  12, 6.867, 20.269

 82, 6.867, 20.269  2, 6.867, 20.269

 92, 6.867, 20.269  0, 6.867, 20.269

 42, 6.867, 20.269  42, 6.867, 20.269

 39, 12.083, 21.147  45, 2.012, 19.490

 35, 17.658, 22.243  49, 2.495, 199.290

 32, 23.554, 23.651  53, 6.680, 198.781

■ 29, 29.690, 25.463

■ 56, 10.576,
198.423

■ 27, 35.933, 27.772

■ 60, 14.213,
198.140

■ 25, 42.098, 30.627

■ 23, 47.921, 33.926

■ 63, 17.621,
197.909

■ 22, 52.295, 36.156

■ 67, 20.829,
197.719

■ 22, 54.506, 37.036

■ 70, 23.860,
197.561

■ 74, 26.735,
197.428

Harmonies

Complementary

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



42, 6.867, 20.269



46, 6.293, 198.747

Rectangle

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



42, 6.867, 20.269



42, 6.867, 70.269



42, 6.867, 200.269



42, 6.867, 250.269

Sweetspot

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



42, 6.866, 20.279



59, 2.287, 19.463



42, 11.675, 325.172



30, 1.642, 19.526



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 6.866, 20.279



53, 10.217, 20.528



44, 5.877, 73.718



22, 2.649, 19.871



24, 57.999, 37.793



52, 102.188, 40.001

Inverse Universe

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



46, 6.293, 198.747



58, 9.180, 198.590



43, 5.681, 257.294



23, 2.510, 199.044



45, 28.668, 196.411



89, 48.960, 196.413

Previews

White Background



This preview shows how the CIELCh color 42, 6.867, 20.269 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, 6.867, 20.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

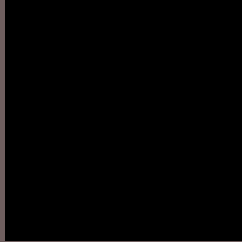
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 6.867, 20.269

Background



This preview shows how black text looks on a background with the CIELCh color 42, 6.867, 20.269.

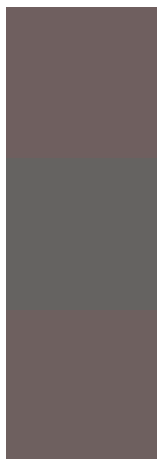


This preview shows how white text looks on a background with the CIELCh color 42, 6.867, 20.269.

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, 6.867, 20.269

Protanopia

42, 1.458, 74.819

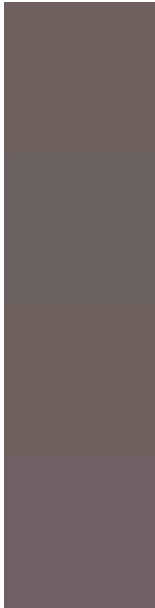
Deuteranopia

42, 6.032, 25.831



Tritanopia
42, 8.960, 348.107

Trichromacy



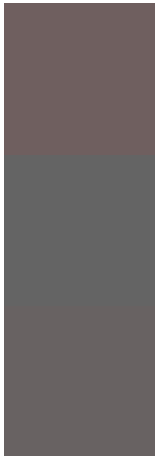
Original Color
42, 6.867, 20.269

Protanomaly
42, 3.196, 41.740

Deuteranomaly
42, 6.469, 25.502

Tritanomaly
42, 7.785, 357.746

Monochromacy



Original Color
42, 6.867, 20.269

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 2.522, 19.600

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 6.867, 20.269 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(111, 95, 95)` looks like.

```
.text, #text, p{  
    color:rgb(111, 95, 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(111, 95, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 95, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 6.867, 20.269 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(111, 95, 95) }
```

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

```
.border{ border-color:rgb(111, 95, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 95, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 95, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 95, 95);  
box-shadow:4px 4px 4px 4px rgb(111, 95,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 6.867, 20.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 95, 95) }
```

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

```
.background{ background-color: rgb(111, 95,  
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](#).

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