

Converting Colors

CIELCh(42, 20.136, 116.406)

Have a look what the booklet for
CIELCh(42, 20.136, 116.406)
contains.

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Color

CIELCh(42, 20.496, 117.351)

Conversions

Conversions Part 1

Format	Color
Hex	5F6745
RGB	95, 103, 69
RGB Percent	37%, 40%, 27%
CMY	0.6284, 0.5970, 0.7303
CMYK	0.08, 0.00, 0.33, 0.60
HSL	74°, 20%, 34%
HSV	74°, 33%, 40%
XYZ	10.5883, 12.5000, 7.4483
YIQ	96.7320, 6.1460, -12.2700

Conversions

Conversions Part 2

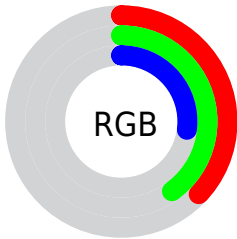
Format	Color
RYB	69, 103, 77
Decimal	6252357
CIELab	42.00, -9.42, 18.20
CIELCh	42, 20.496, 117.351
Yxy	12.5000, 0.3467, 0.4093
Android (android.graphics.Color)	4284442437 (0xFF5F6745)
YUV	96.7320, -13.6719, -1.5190
Hunter-Lab	35.3553, -8.4144, 12.2582

Details

The CIELCh color $42, 20.496, 117.351$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $31, 21.928, 301.769$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 20.242, 117.345$, and $22, 20.441, 117.352$ is the 20% darker color. If you saturate the color by 10%, you get $42, 26.478, 116.769$, and if you desaturate by 10%, it is $42, 14.370, 117.962$.

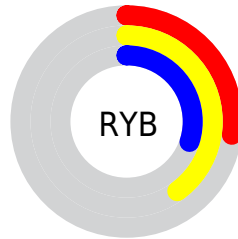
Distribution



Red (37%)

Green (40%)

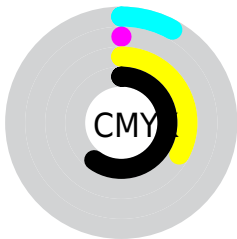
Blue (27%)



Red (27%)

Yellow (40%)

Blue (30%)

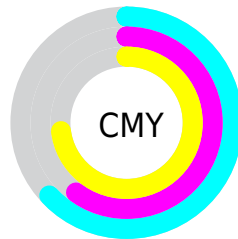


Cyan (8%)

Magenta (0%)

Yellow (33%)

Black (60%)



Cyan (63%)


Magenta (60%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 20.496, 117.351 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, 20.496, 117.351 by changing the saturation by 10% instead.


 42, 20.496,
117.351


 42, 20.496,
117.351


 100, 20.496,
117.351


 32, 20.496,
117.351

 62, 20.496,
117.351


 22, 20.496,
117.351

 72, 20.496,
117.351

 12, 20.496,
117.351

 82, 20.496,
117.351

 2, 20.496, 117.351

 92, 20.496,
117.351

 0, 20.496, 117.351

 42, 20.496,

 42, 20.496,

117.351

117.351

■ 42, 26.478,
116.769

■ 42, 14.370,
117.962

■ 41, 32.218,
116.239

■ 43, 8.162, 118.574

■ 41, 37.581,
115.808

■ 43, 1.916, 119.180

■ 44, 4.336, 299.748

■ 41, 42.373,
115.537

■ 44, 10.572,
300.304

■ 40, 46.354,
115.504

■ 45, 16.776,
300.828

■ 40, 49.336,
115.770

■ 46, 22.935,
301.321

■ 40, 51.304,
115.945

■ 46, 29.040,
301.781

■ 47, 35.084,

Harmonies

Complementary

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



42, 20.496, 117.351



31, 21.928, 301.769

Rectangle

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



42, 20.496, 117.351



42, 20.496, 167.351



42, 20.496, 297.351



42, 20.496, 347.351

Sweetspot

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



42, 20.497, 117.354



55, 7.699, 118.744



35, 13.242, 42.624



28, 5.210, 118.685



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, 20.497, 117.354



53, 30.374, 116.881



41, 23.114, 135.246



21, 3.484, 118.827



45, 55.516, 116.096



89, 96.623, 116.823

Inverse Universe

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



31, 21.928, 301.769



37, 33.140, 302.513



33, 23.581, 318.112



19, 3.548, 299.904



12, 72.419, 307.923



32, 126.412, 307.458

Previews

White Background



This preview shows how the CIELCh color 42, 20.496, 117.351 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, 20.496, 117.351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

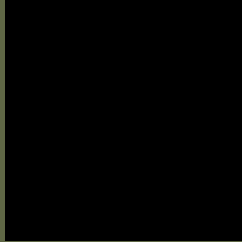
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

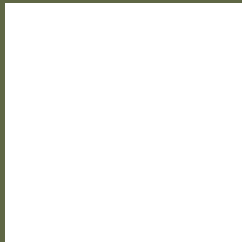
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 20.496, 117.351

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.496, 117.351.



This preview shows how white text looks on a background with the CIELCh color 42, 20.496, 117.351.

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, 20.496, 117.351

Protanopia

42, 19.472, 96.261

Deuteranopia

42, 18.675, 72.695



Tritanopia
42, 4.921, 300.359

Trichromacy



Original Color
42, 20.496, 117.351

Protanomaly
42, 19.117, 103.143

Deuteranomaly
42, 17.713, 89.325

Tritanomaly
42, 4.894, 119.452

Monochromacy



Original Color
42, 20.496, 117.351

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 7.296, 115.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.496, 117.351 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(95, 103, 69)` looks like.

```
.text, #text, p{  
    color:rgb(95, 103, 69)  
}
```

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(95, 103, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 103, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.496, 117.351 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(95, 103, 69) }
```

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

```
.border{ border-color:rgb(95, 103, 69) }
```

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

Here you see how a box with a 4 pixel rgb(95, 103, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 103, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 103, 69);  
box-shadow:4px 4px 4px 4px rgb(95, 103,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.496, 117.351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 103, 69) }
```

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

```
.background{ background-color: rgb(95, 103,  
69) }
```

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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