

Converting Colors

CIELCh(41, 34.058, 121.689)

Have a look what the booklet for
CIELCh(41, 34.058, 121.689)
contains.

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Color

CIELCh(41, 34.392, 121.730)

Conversions

Conversions Part 1

Format	Color
Hex	53682F
RGB	83, 104, 47
RGB Percent	33%, 41%, 18%
CMY	0.6757, 0.5934, 0.8168
CMYK	0.20, 0.00, 0.55, 0.59
HSL	82°, 38%, 29%
HSV	82°, 55%, 41%
XYZ	8.9652, 11.8645, 4.4758
YIQ	91.2230, 5.7810, -22.1790

Conversions

Conversions Part 2

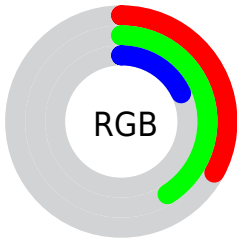
Format	Color
R_{YB}	47, 104, 68
Decimal	5466159
CIE _{Lab}	41.00, -18.09, 29.25
CIE _{LCh}	41, 34.392, 121.730
Yxy	11.8645, 0.3543, 0.4689
Android (android.graphics.Color)	4283656239 (0xFF53682F)
YUV	91.2230, -21.8019, -7.2116
Hunter-Lab	34.4449, -13.8195, 16.4072

Details

The CIELCh color $41, 34.392, 121.730$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $24, 38.115, 307.745$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 34.109, 121.630$, and $21, 34.281, 121.880$ is the 20% darker color. If you saturate the color by 10%, you get $41, 39.904, 121.431$, and if you desaturate by 10%, it is $41, 28.481, 122.147$.

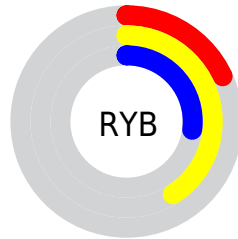
Distribution



Red (33%)

Green (41%)

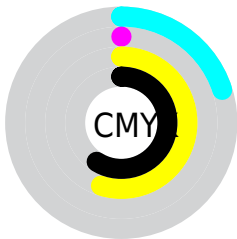
Blue (18%)



Red (18%)

Yellow (41%)

Blue (27%)

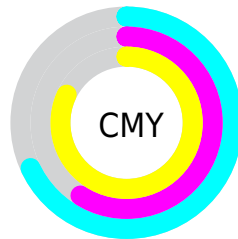


Cyan (20%)

Magenta (0%)

Yellow (55%)

Black (59%)



Cyan (68%)


Magenta (59%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 34.392, 121.730 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 41, 34.392, 121.730 by changing the saturation by 10% instead.


 41, 34.392,
121.730


 41, 34.392,
121.730


 100, 34.392,
121.730


 31, 34.392,
121.730

 61, 34.392,
121.730


 21, 34.392,
121.730

 71, 34.392,
121.730

 11, 34.392,
121.730


 81, 34.392,
121.730

 1, 34.392, 121.730

 91, 34.392,
121.730

 0, 34.392, 121.730

 41, 34.392,

 41, 34.392,

121.730

■ 41, 39.904,
121.431

■ 40, 44.814,
121.321

■ 40, 48.876,
121.496

■ 40, 52.009,
121.981

■ 40, 53.586,
122.175

121.730

■ 41, 28.481,
122.147

■ 42, 22.316,
122.624

■ 42, 16.000,
123.126

■ 43, 9.604, 123.632

■ 44, 3.177, 124.131

■ 44, 3.244, 304.571

■ 45, 9.635, 305.021

■ 46, 15.977,
305.434

■ 46, 22.257,
305.815

Harmonies

Complementary

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



41, 34.392, 121.730



24, 38.115, 307.745

Rectangle

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



41, 34.392, 121.730



41, 34.392, 171.730



41, 34.392, 301.730



41, 34.392, 351.730

Sweetspot

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



41, 34.393, 121.732



55, 12.773, 123.556



32, 22.990, 55.557



28, 8.690, 123.482



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



41, 34.393, 121.732



52, 50.057, 121.375



39, 39.586, 137.388



21, 3.556, 123.933



44, 57.655, 122.356



87, 100.688, 123.293

Inverse Universe

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



24, 38.115, 307.745



28, 57.179, 308.629



28, 39.961, 323.039



19, 3.612, 304.785



14, 70.762, 309.771



35, 123.606, 309.157

Previews

White Background



This preview shows how the CIELCh color 41, 34.392, 121.730 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 41, 34.392, 121.730 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 41, 34.392, 121.730

Background



This preview shows how black text looks on a background with the CIELCh color 41, 34.392, 121.730.



This preview shows how white text looks on a background with the CIELCh color 41, 34.392, 121.730.

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


41, 34.392, 121.730

Protanopia

41, 31.403, 96.429

Deuteranopia

41, 28.447, 79.565



Tritanopia
41, 5.539, 260.821

Trichromacy



Original Color
41, 34.392, 121.730

Protanomaly
41, 31.433, 106.241

Deuteranomaly
41, 28.132, 96.929

Tritanomaly
41, 10.466, 138.148

Monochromacy



Original Color
41, 34.392, 121.730

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 13.206, 123.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 34.392, 121.730 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(83, 104, 47)` looks like.

```
.text, #text, p{  
    color:rgb(83, 104, 47)  
}
```

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(83, 104, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 104, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 34.392, 121.730 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(83, 104, 47) }
```

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

```
.border{ border-color:rgb(83, 104, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 104, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 104, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 104, 47);  
box-shadow:4px 4px 4px 4px rgb(83, 104,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 34.392, 121.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 104, 47) }
```

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

```
.background{ background-color: rgb(83, 104,  
47) }
```

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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