

Converting Colors

CIELCh(42, 11.336, 126.333)

Have a look what the booklet for
CIELCh(42, 11.336, 126.333)
contains.

CIELCh(42, 11.355, 126.326)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 11.355, 126.326)

Conversions

Conversions Part 1

Format	Color
Hex	5E6654
RGB	94, 102, 84
RGB Percent	37%, 40%, 33%
CMY	0.6317, 0.6003, 0.6709
CMYK	0.08, 0.00, 0.18, 0.60
HSL	87°, 10%, 36%
HSV	87°, 18%, 40%
XYZ	10.9475, 12.5000, 10.2063
YIQ	97.5560, 1.0100, -7.2940

Conversions

Conversions Part 2

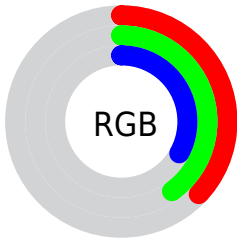
Format	Color
RYB	84, 102, 92
Decimal	6186580
CIELab	42.00, -6.73, 9.15
CIELCh	42, 11.355, 126.326
Yxy	12.5000, 0.3253, 0.3714
Android (android.graphics.Color)	4284376660 (0xFF5E6654)
YUV	97.5560, -6.6831, -3.1186
Hunter-Lab	35.3553, -6.6010, 7.6330

Details

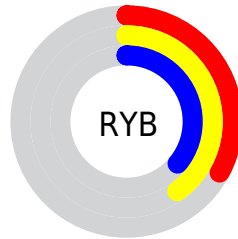
The CIELCh color $42, 11.355, 126.326$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $37, 11.647, 307.920$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 11.214, 127.600$, and $22, 11.168, 125.661$ is the 20% darker color. If you saturate the color by 10%, you get $41, 17.760, 125.860$, and if you desaturate by 10%, it is $43, 4.921, 126.788$.

Distribution



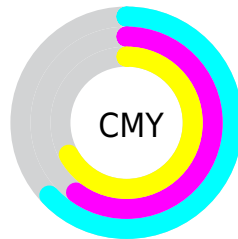
- Red (37%)
- Green (40%)
- Blue (33%)



- Red (33%)
- Yellow (40%)
- Blue (36%)



- Cyan (8%)
- Magenta (0%)
- Yellow (18%)
- Black (60%)





- Cyan (63%)
- Magenta (60%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 11.355, 126.326 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, 11.355, 126.326 by changing the saturation by 10% instead.


 42, 11.355,
126.326


 42, 11.355,
126.326


 100, 11.355,
126.326


 32, 11.355,
126.326

 62, 11.355,
126.326


 22, 11.355,
126.326

 72, 11.355,
126.326

 12, 11.355,
126.326


 82, 11.355,
126.326

 2, 11.355, 126.326

 92, 11.355,
126.326

 0, 11.355, 126.326

 42, 11.355,

 42, 11.355,

126.326

126.326

■ 41, 17.760,
125.860

■ 43, 4.921, 126.788

■ 41, 24.077,
125.394

■ 43, 1.508, 307.165

■ 44, 7.900, 307.598

■ 40, 30.228,
124.956

■ 45, 14.235,
307.971

■ 40, 36.102,
124.586

■ 46, 20.498,
308.312

■ 39, 41.541,
124.346

■ 46, 26.679,
308.621

■ 39, 46.332,
124.318

■ 47, 32.769,
308.902

■ 39, 50.230,
124.605

■ 48, 38.763,
309.156

■ 39, 53.421,
125.091

■ 49, 44.660,

■ 38, 54.195,
125.164

309.384

Harmonies

Complementary

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



42, 11.355, 126.326



37, 11.647, 307.920

Rectangle

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



42, 11.355, 126.326



42, 11.355, 176.326



42, 11.355, 306.326



42, 11.355, 356.326

Sweetspot

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



42, 11.356, 126.329



55, 3.983, 126.905



40, 6.545, 66.010



28, 2.696, 126.882



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, 11.356, 126.329



54, 16.758, 126.145



41, 13.046, 141.710



21, 3.610, 126.731



43, 59.056, 125.389



86, 103.301, 126.370

Inverse Universe

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



37, 11.647, 307.920



46, 17.287, 308.123



38, 13.085, 323.466



19, 3.660, 307.492



15, 69.698, 311.182



37, 121.701, 310.523

Previews

White Background



This preview shows how the CIELCh color 42, 11.355, 126.326 looks on a white background.

Color Contrast Check

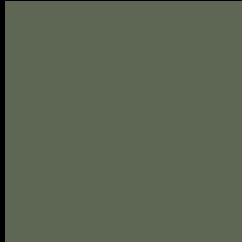
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.355, 126.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

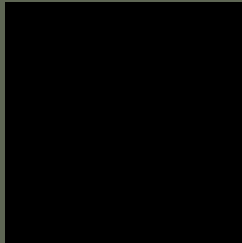
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 11.355, 126.326

Background



This preview shows how black text looks on a background with the CIELCh color 42, 11.355, 126.326.



This preview shows how white text looks on a background with the CIELCh color 42, 11.355, 126.326.

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, 11.355, 126.326

Protanopia

42, 10.449, 96.368

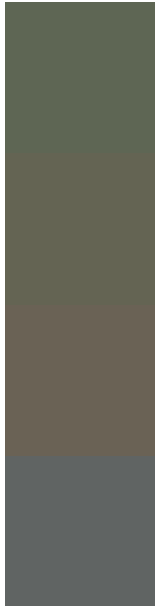
Deuteranopia

42, 10.086, 56.610



Tritanopia
42, 4.887, 281.470

Trichromacy



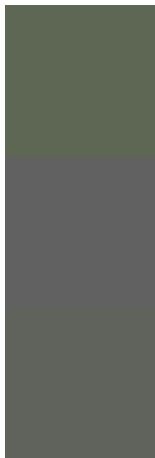
Original Color
42, 11.355, 126.326

Protanomaly
42, 10.201, 108.643

Deuteranomaly
42, 8.587, 84.720

Tritanomaly
42, 1.763, 179.349

Monochromacy



Original Color
42, 11.355, 126.326

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 4.419, 126.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 11.355, 126.326 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(94, 102, 84)` looks like.

```
.text, #text, p{  
    color:rgb(94, 102, 84)  
}
```

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(94, 102, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 102, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 11.355, 126.326 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(94, 102, 84) }
```

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

```
.border{ border-color:rgb(94, 102, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 102, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 102, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 102, 84);  
box-shadow:4px 4px 4px 4px rgb(94, 102,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 11.355, 126.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 102, 84) }
```

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

```
.background{ background-color: rgb(94, 102,  
84) }
```

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