

Converting Colors

CIELCh(42, 10.976, 203.975)

Have a look what the booklet for
CIELCh(42, 10.976, 203.975)
contains.

CIELCh(42, 11.012, 204.484)	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, 11.012, 204.484)

Conversions

Conversions Part 1

Format	Color
Hex	4B686A
RGB	75, 104, 106
RGB Percent	29%, 41%, 42%
CMY	0.7050, 0.5912, 0.5834
CMYK	0.29, 0.02, 0.00, 0.58
HSL	184°, 17%, 36%
HSV	184°, 29%, 42%
XYZ	10.5086, 12.5000, 15.5602
YIQ	95.5570, -17.9260, -5.5260

Conversions

Conversions Part 2

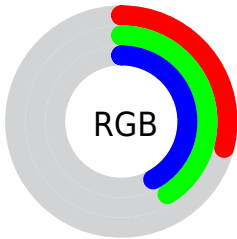
Format	Color
R_{YB}	75, 90, 106
Decimal	4941930
CIE Lab	42.00, -10.02, -4.56
CIE LCh	42, 11.012, 204.484
Yxy	12.5000, 0.2725, 0.3241
Android (android.graphics.Color)	4283132010 (0xFF4B686A)
YUV	95.5570, 5.1484, -18.0285
Hunter-Lab	35.3553, -8.8167, -1.3453

Details

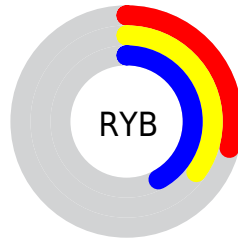
The CIELCh color $42, 11.012, 204.484$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $36, 13.341, 26.639$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 10.898, 204.419$, and $22, 10.931, 204.651$ is the 20% darker color. If you saturate the color by 10%, you get $41, 14.219, 204.391$, and if you desaturate by 10%, it is $43, 7.479, 204.665$.

Distribution



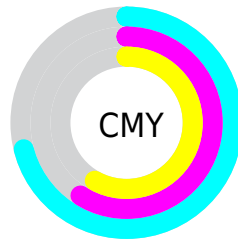
- Red (29%)
- Green (41%)
- Blue (42%)



- Red (29%)
- Yellow (35%)
- Blue (42%)



- Cyan (29%)
- Magenta (2%)
- Yellow (0%)
- Black (58%)



- Cyan (71%)
- Magenta (59%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 11.012, 204.484 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, 11.012, 204.484 by changing the saturation by 10% instead.

■ 42, 11.012,
204.484

■ 42, 11.012,
204.484

■ 100, 11.012,
204.484

■ 32, 11.012,
204.484

■ 62, 11.012,
204.484

■ 22, 11.012,
204.484

■ 72, 11.012,
204.484

■ 12, 11.012,
204.484

■ 82, 11.012,
204.484

■ 2, 11.012, 204.484

■ 92, 11.012,
204.484

■ 0, 11.012, 204.484

■ 42, 11.012,

■ 42, 11.012,

204.484

204.484

■ 41, 14.219,
204.391

■ 43, 7.479, 204.665

■ 40, 17.041,
204.410

■ 44, 3.678, 204.956

■ 40, 19.425,
204.556

■ 45, 0.334, 24.113

■ 39, 21.330,
204.845

■ 46, 4.508, 25.431

■ 39, 22.735,
205.298

■ 47, 8.800, 25.851

■ 38, 23.641,
205.931

■ 49, 13.173, 26.272

■ 38, 24.257,
206.667

■ 50, 17.598, 26.705

■ 38, 24.308,
206.725

■ 51, 22.049, 27.146

■ 53, 26.509, 27.591

Harmonies

Complementary

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



42, 11.012, 204.484



36, 13.341, 26.639

Rectangle

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



42, 11.012, 204.484



42, 11.012, 254.484



42, 11.012, 24.484



42, 11.012, 74.484

Sweetspot

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



42, 11.012, 204.479



56, 4.459, 204.954



42, 22.062, 143.901



28, 3.067, 204.914



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 11.012, 204.479



53, 15.925, 204.408



37, 11.585, 264.924



22, 2.267, 204.964



42, 26.061, 206.851



83, 44.668, 207.526

Inverse Universe

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



36, 21.857, 327.773



45, 32.330, 328.132



40, 12.205, 77.083



21, 4.217, 326.672



27, 62.026, 330.861



57, 106.429, 331.027

Previews

White Background



This preview shows how the CIELCh color 42, 11.012, 204.484 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, 11.012, 204.484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

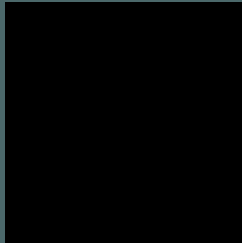
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

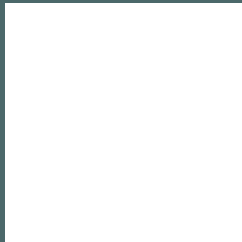
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 11.012, 204.484

Background



This preview shows how black text looks on a background with the CIELCh color 42, 11.012, 204.484.



This preview shows how white text looks on a background with the CIELCh color 42, 11.012, 204.484.

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, 11.012, 204.484

Protanopia

42, 3.062, 298.304

Deuteranopia

42, 7.993, 315.092



Tritanopia
42, 11.191, 227.677

Trichromacy



Original Color
42, 11.012, 204.484

Protanomaly
42, 4.615, 230.767

Deuteranomaly
42, 5.191, 268.385

Tritanomaly
42, 10.788, 221.591

Monochromacy



Original Color
42, 11.012, 204.484

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 4.464, 206.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 11.012, 204.484 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(75, 104, 106)` looks like.

```
.text, #text, p{  
    color:rgb(75, 104, 106)  
}
```

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(75, 104, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 104, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 11.012, 204.484 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(75, 104, 106) }
```

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

```
.border{ border-color:rgb(75, 104, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 104, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 104, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 104, 106);  
box-shadow:4px 4px 4px 4px rgb(75, 104,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 11.012, 204.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 104, 106) }
```

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

```
.background{ background-color: rgb(75, 104,  
106) }
```

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