

Converting Colors

CIELCh(42, 27.326, 289.489)

Have a look what the booklet for
CIELCh(42, 27.326, 289.489)
contains.

CIELCh(42, 27.220, 289.812)	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, 27.220, 289.812)

Conversions

Conversions Part 1

Format	Color
Hex	5A608D
RGB	90, 96, 141
RGB Percent	35%, 38%, 55%
CMY	0.6465, 0.6230, 0.4465
CMYK	0.36, 0.32, 0.00, 0.45
HSL	233°, 22%, 45%
HSV	233°, 36%, 55%
XYZ	13.2453, 12.5000, 26.9731
YIQ	99.3360, -18.0210, 12.7230

Conversions

Conversions Part 2

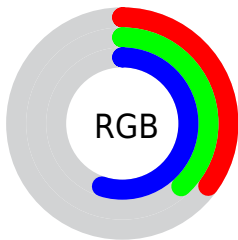
Format	Color
R _Y B	90, 95, 141
Decimal	5922957
CIE Lab	42.00, 9.23, -25.61
CIE LCh	42, 27.220, 289.812
Yxy	12.5000, 0.2512, 0.2371
Android (android.graphics.Color)	4284113037 (0xFF5A608D)
YUV	99.3360, 20.5404, -8.1877
Hunter-Lab	35.3553, 5.0005, -20.4844

Details

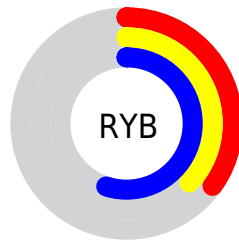
The CIELCh color $[42, 27.220, 289.812]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[56, 25.515, 101.141]$, and the grayscale version is $[42, 0.006, 296.813]$.

A 20% lighter version of the original color is $[62, 27.535, 290.371]$, and $[22, 27.516, 290.011]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 35.406, 291.699]$, and if you desaturate by 10%, it is $[47, 19.335, 288.185]$.

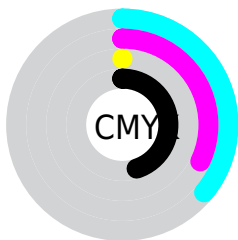
Distribution



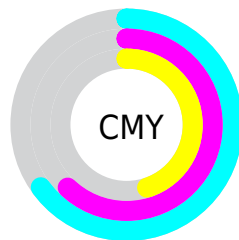
- Red (35%)
- Green (38%)
- Blue (55%)



- Red (35%)
- Yellow (37%)
- Blue (55%)



- Cyan (36%)
- Magenta (32%)
- Yellow (0%)
- Black (45%)



- Cyan (65%)
- Magenta (62%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 27.220, 289.812 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, 27.220, 289.812 by changing the saturation by 10% instead.

■ 42, 27.220,
289.812

■ 42, 27.220,
289.812

■ 100, 27.220,
289.812

■ 32, 27.220,
289.812

■ 62, 27.220,
289.812

■ 22, 27.220,
289.812

■ 72, 27.220,
289.812

■ 12, 27.220,
289.812

■ 82, 27.220,
289.812

■ 2, 27.220, 289.812

■ 92, 27.220,
289.812

■ 0, 27.220, 289.812

■ 42, 27.220,

■ 42, 27.220,

289.812

289.812

37, 35.406,
291.699

47, 19.335,
288.185

33, 43.902,
293.856

51, 11.733,
286.791

29, 52.665,
296.259

56, 4.391, 285.607

24, 61.531,
298.816

60, 2.711, 104.527

65, 9.589, 103.665

21, 70.087,
301.346

70, 16.257,
102.902

18, 77.575,
303.561

74, 22.728,
102.236

17, 80.022,
304.210

78, 29.012,
101.652

83, 35.120,

Harmonies

Complementary

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



42, 27.220, 289.812



56, 25.515, 101.141

Rectangle

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



42, 27.220, 289.812



42, 27.220, 339.812



42, 27.220, 109.812



42, 27.220, 159.812

Sweetspot

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



42, 27.219, 289.812



68, 9.834, 286.185



55, 18.769, 185.498



35, 6.597, 286.325



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



42, 27.219, 289.812



50, 40.728, 291.257



42, 31.659, 306.441



28, 4.099, 285.947



16, 77.320, 304.130



0, 2.731, 284.940

Inverse Universe

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



44, 22.461, 13.643



53, 33.716, 14.952



56, 29.662, 122.433



28, 3.280, 10.416



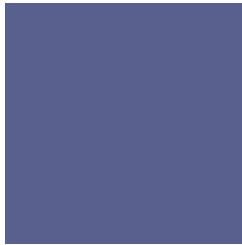
27, 60.338, 33.590



0, 2.157, 9.727

Previews

White Background



This preview shows how the CIELCh color 42, 27.220, 289.812 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, 27.220, 289.812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

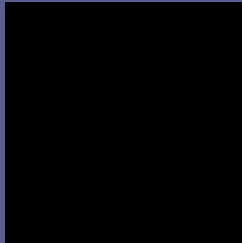
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 27.220, 289.812

Background



This preview shows how black text looks on a background with the CIELCh color 42, 27.220, 289.812.



This preview shows how white text looks on a background with the CIELCh color 42, 27.220, 289.812.

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

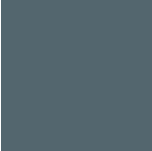
42, 27.220, 289.812

Protanopia

42, 27.335, 285.749

Deuteranopia

42, 26.195, 283.713



Tritanopia
42, 8.580, 233.179

Trichromacy



Original Color
42, 27.220, 289.812

Protanomaly
42, 27.269, 287.065

Deuteranomaly
42, 26.710, 286.117

Tritanomaly
42, 13.519, 269.722

Monochromacy



Original Color
42, 27.220, 289.812

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 9.695, 287.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 27.220, 289.812 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(90, 96, 141)` looks like.

```
.text, #text, p{  
    color:rgb(90, 96, 141)  
}
```

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(90, 96, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 96, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 27.220, 289.812 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(90, 96, 141) }
```

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

```
.border{ border-color:rgb(90, 96, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 96, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 96, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 96, 141);  
box-shadow:4px 4px 4px 4px rgb(90, 96,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 27.220, 289.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 96, 141) }
```

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

```
.background{ background-color: rgb(90, 96,  
141) }
```

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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