

Converting Colors

CIELCh(42, 8.372, 320.261)

Have a look what the booklet for
CIELCh(42, 8.372, 320.261) contains.

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Color

CIELCh(42, 8.358, 320.257)

Conversions

Conversions Part 1

Format	Color
Hex	6A606C
RGB	106, 96, 108
RGB Percent	42%, 38%, 42%
CMY	0.5845, 0.6237, 0.5767
CMYK	0.02, 0.11, 0.00, 0.58
HSL	290°, 6%, 40%
HSV	290°, 11%, 42%
XYZ	12.8209, 12.5000, 15.9109
YIQ	100.3580, 2.1080, 5.8520

Conversions

Conversions Part 2

Format	Color
R_{YB}	106, 96, 108
Decimal	6971500
CIE _{Lab}	42.00, 6.43, -5.34
CIE _{LCh}	42, 8.358, 320.257
Yxy	12.5000, 0.3109, 0.3032
Android (android.graphics.Color)	4285161580 (0xFF6A606C)
YUV	100.3580, 3.7675, 4.9480
Hunter-Lab	35.3553, 2.8575, -1.9335

Details

The CIELCh color $42, 8.358, 320.257$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 8.315, 139.309$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 7.775, 320.109$, and $22, 8.442, 320.044$ is the 20% darker color. If you saturate the color by 10%, you get $39, 15.978, 320.697$, and if you desaturate by 10%, it is $45, 0.835, 319.680$.

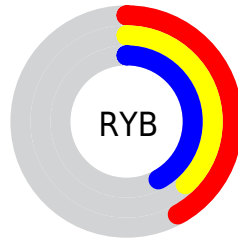
Distribution



Red (42%)

Green (38%)

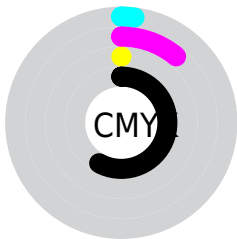
Blue (42%)



Red (42%)

Yellow (38%)

Blue (42%)

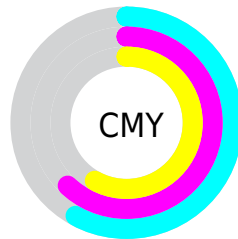


Cyan (2%)

Magenta (11%)

Yellow (0%)

Black (58%)



Cyan (58%)

Magenta (62%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 8.358, 320.257 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, 8.358, 320.257 by changing the saturation by 10% instead.

■ 42, 8.358, 320.257

■ 42, 8.358, 320.257

■ 100, 8.358,
320.257

■ 32, 8.358, 320.257

■ 62, 8.358, 320.257

■ 22, 8.358, 320.257

■ 72, 8.358, 320.257

■ 12, 8.358, 320.257

■ 82, 8.358, 320.257

■ 2, 8.358, 320.257

■ 92, 8.358, 320.257

■ 0, 8.358, 320.257

■ 42, 8.358, 320.257

■ 42, 8.358, 320.257

■ 39, 15.978,
320.697

■ 45, 0.835, 319.680

■ 36, 23.619,

■ 49, 6.538, 139.453

321.127

52, 13.731,
139.048

33, 31.159,
321.532

55, 20.732,
138.673

30, 38.423,
321.894

59, 27.536,
138.324

28, 45.182,
322.186

62, 34.144,
138.000

25, 51.151,
322.376

65, 40.561,
137.702

23, 56.027,
322.432

69, 46.794,
137.428

22, 59.550,
322.320

72, 52.854,
137.178

21, 62.198,
322.178

Harmonies

Complementary

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



42, 8.358, 320.257



44, 8.315, 139.309

Rectangle

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



42, 8.358, 320.257



42, 8.358, 10.257



42, 8.358, 140.257



42, 8.358, 190.257

Sweetspot

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



42, 8.357, 320.256



57, 2.781, 319.869



42, 5.978, 282.648



29, 2.125, 319.909



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 8.357, 320.256



53, 12.137, 320.356



42, 7.036, 335.666



21, 4.191, 320.159



23, 65.995, 322.125



51, 113.702, 321.784

Inverse Universe

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



42, 5.220, 6.727



53, 7.614, 6.953



44, 6.995, 154.246



21, 2.607, 6.510



23, 52.388, 29.513



51, 93.013, 32.816

Previews

White Background



This preview shows how the CIELCh color 42, 8.358, 320.257 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, 8.358, 320.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

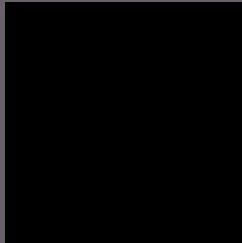
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 8.358, 320.257

Background



This preview shows how black text looks on a background with the CIELCh color 42, 8.358, 320.257.



This preview shows how white text looks on a background with the CIELCh color 42, 8.358, 320.257.

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

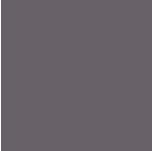
42, 8.358, 320.257

Protanopia

42, 7.261, 291.253

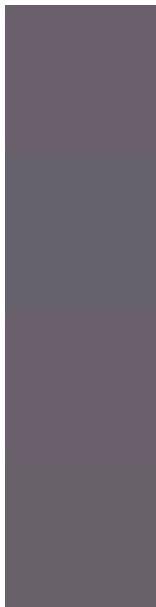
Deuteranopia

42, 8.167, 317.727



Tritanopia
42, 5.390, 328.429

Trichromacy



Original Color
42, 8.358, 320.257

Protanomaly
42, 7.466, 303.630

Deuteranomaly
42, 8.167, 317.727

Tritanomaly
42, 5.875, 324.806

Monochromacy



Original Color
42, 8.358, 320.257

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 2.729, 317.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 8.358, 320.257 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(106, 96, 108)` looks like.

```
.text, #text, p{  
    color:rgb(106, 96, 108)  
}
```

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(106, 96, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 96, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 8.358, 320.257 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(106, 96, 108) }
```

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

```
.border{ border-color:rgb(106, 96, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 96, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 96, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 96, 108); box-shadow:4px 4px 4px 4px rgb(106, 96, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 8.358, 320.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 96, 108) }
```

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

```
.background{ background-color: rgb(106, 96,  
108) }
```

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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