

Converting Colors

CIELCh(42, 46.262, 2.499)

Have a look what the booklet for
CIELCh(42, 46.262, 2.499) contains.

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Color

CIELCh(42, 46.469, 2.232)

Conversions

Conversions Part 1

Format	Color
Hex	A73E62
RGB	167, 62, 98
RGB Percent	65%, 24%, 38%
CMY	0.3458, 0.7575, 0.6163
CMYK	0.00, 0.63, 0.41, 0.35
HSL	339°, 46%, 45%
HSV	339°, 63%, 65%
XYZ	19.8067, 12.5000, 12.8847
YIQ	97.4990, 51.0240, 33.4560

Conversions

Conversions Part 2

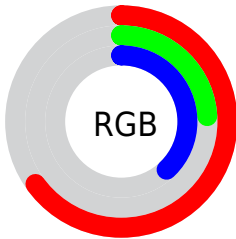
Format	Color
R_{YB}	167, 62, 98
Decimal	10960482
CIE Lab	42.00, 46.43, 1.81
CIE LCh	42, 46.469, 2.232
Yxy	12.5000, 0.4383, 0.2766
Android (android.graphics.Color)	4289150562 (0xFFA73E62)
YUV	97.4990, 0.2470, 60.9524
Hunter-Lab	35.3553, 38.1269, 3.1414

Details

The CIELCh color $42, 46.469, 2.232$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $62, 40.140, 165.820$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 46.346, 1.826$, and $22, 45.857, 2.735$ is the 20% darker color. If you saturate the color by 10%, you get $39, 52.380, 5.084$, and if you desaturate by 10%, it is $45, 39.634, 359.967$.

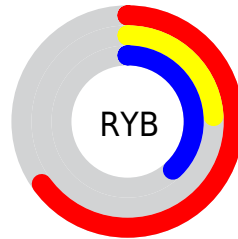
Distribution



Red (65%)

Green (24%)

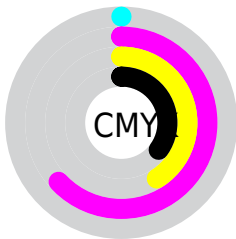
Blue (38%)



Red (65%)

Yellow (24%)

Blue (38%)

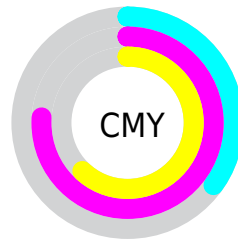


Cyan (0%)

Magenta (63%)

Yellow (41%)

Black (35%)



Cyan (35%)

Magenta (76%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 46.469, 2.232 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, 46.469, 2.232 by changing the saturation by 10% instead.

 42, 46.469, 2.232  42, 46.469, 2.232

 100, 46.469, 2.232  32, 46.469, 2.232



 62, 46.469, 2.232  22, 46.469, 2.232

 72, 46.469, 2.232  12, 46.469, 2.232

 82, 46.469, 2.232  2, 46.469, 2.232

 92, 46.469, 2.232  0, 46.469, 2.232

 42, 46.469, 2.232  42, 46.469, 2.232

 39, 52.380, 5.084  45, 39.634,
359.967

 37, 57.085, 8.688  49, 32.235,
358.133

 36, 60.504, 13.181

35, 62.564, 16.667

53, 24.584,
356.619

58, 16.916,
355.338

62, 9.389, 354.224

67, 2.093, 353.117

72, 4.924, 172.544

77, 11.648,
171.736

81, 18.082,
171.036

Harmonies

Complementary

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



42, 46.469, 2.232



62, 40.140, 165.820

Rectangle

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



42, 46.469, 2.232



42, 46.469, 52.232



42, 46.469, 182.232



42, 46.469, 232.232

Sweetspot

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



42, 46.466, 2.234



76, 17.251, 354.923



40, 65.005, 316.616



39, 12.018, 355.241



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



42, 46.466, 2.234



50, 66.403, 6.585



44, 44.434, 37.009



33, 4.111, 353.844



31, 57.151, 16.059



2, 7.187, 356.288

Inverse Universe

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



42, 46.466, 2.234



50, 66.403, 6.585



58, 26.896, 216.944



33, 4.111, 353.844



31, 57.151, 16.059



2, 7.187, 356.288

Previews

White Background



This preview shows how the CIELCh color 42, 46.469, 2.232 looks on a white background.

Color Contrast Check

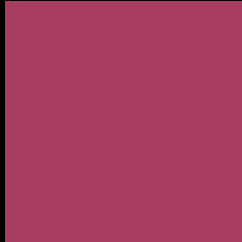
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.469, 2.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

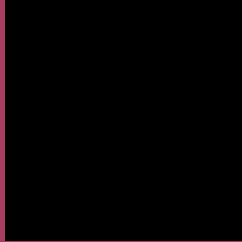
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 46.469, 2.232

Background



This preview shows how black text looks on a background with the CIELCh color 42, 46.469, 2.232.



This preview shows how white text looks on a background with the CIELCh color 42, 46.469, 2.232.

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, 46.469, 2.232

Protanopia

42, 12.733, 285.218

Deuteranopia

42, 7.166, 34.736



Tritanopia
42, 44.591, 23.481

Trichromacy



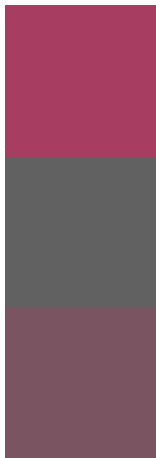
Original Color
42, 46.469, 2.232

Protanomaly
41, 21.819, 334.263

Deuteranomaly
41, 21.674, 5.182

Tritanomaly
42, 44.701, 15.879

Monochromacy



Original Color
42, 46.469, 2.232

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 17.946, 356.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 46.469, 2.232 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(167, 62, 98)` looks like.

```
.text, #text, p{  
    color:rgb(167, 62, 98)  
}
```

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(167, 62, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 62, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 46.469, 2.232 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(167, 62, 98) }
```

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

```
.border{ border-color:rgb(167, 62, 98) }
```

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

Here you see how a box with a 4 pixel rgb(167, 62, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 62, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 62, 98);  
box-shadow:4px 4px 4px 4px rgb(167, 62,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 46.469, 2.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 62, 98) }
```

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

```
.background{ background-color: rgb(167, 62,  
98) }
```

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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