

Converting Colors

CIELCh(46, 70.475, 320.751)

Have a look what the booklet for
CIELCh(46, 70.475, 320.751)
contains.

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Color

CIELCh(46, 70.421, 320.697)

Conversions

Conversions Part 1

Format	Color
Hex	A046B9
RGB	160, 70, 185
RGB Percent	63%, 27%, 73%
CMY	0.3738, 0.7267, 0.2758
CMYK	0.14, 0.62, 0.00, 0.28
HSL	287°, 45%, 50%
HSV	287°, 62%, 72%
XYZ	25.3232, 15.2687, 47.3294
YIQ	110.0200, 16.7250, 54.8450

Conversions

Conversions Part 2

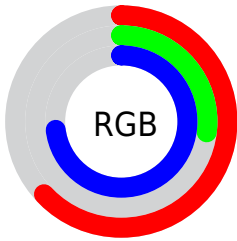
Format	Color
R_{YB}	160, 70, 185
Decimal	10503865
CIE _{Lab}	46.00, 54.49, -44.61
CIE _{LCh}	46, 70.421, 320.697
Yxy	15.2687, 0.2880, 0.1737
Android (android.graphics.Color)	4288693945 (0xFFA046B9)
YUV	110.0200, 36.9651, 43.8325
Hunter-Lab	39.0751, 47.2978, -44.4619

Details

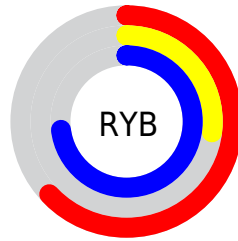
The CIELCh color $46, 70.421, 320.697$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $68, 68.823, 134.722$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 70.280, 320.528$, and $26, 70.263, 320.729$ is the 20% darker color. If you saturate the color by 10%, you get $43, 79.194, 320.815$, and if you desaturate by 10%, it is $50, 60.231, 320.441$.

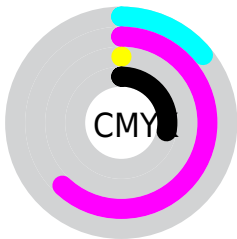
Distribution



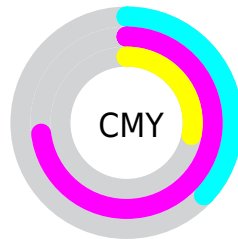
- Red (63%)
- Green (27%)
- Blue (73%)



- Red (63%)
- Yellow (27%)
- Blue (73%)



- Cyan (14%)
- Magenta (62%)
- Yellow (0%)
- Black (28%)





- Cyan (37%)
- Magenta (73%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 70.421, 320.697 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 46, 70.421, 320.697 by changing the saturation by 10% instead.


 46, 70.421,
320.697


 46, 70.421,
320.697


 100, 70.421,
320.697


 36, 70.421,
320.697

 66, 70.421,
320.697


 26, 70.421,
320.697

 76, 70.421,
320.697

 16, 70.421,
320.697

 86, 70.421,
320.697

 6, 70.421, 320.697

 96, 70.421,
320.697

 0, 70.421, 320.697

 46, 70.421,

 46, 70.421,

320.697

43, 79.194,
320.815

40, 86.018,
320.747

38, 90.488,
320.451

37, 92.658,
320.098

320.697

50, 60.231,
320.441

54, 49.145,
320.092

59, 37.577,
319.686

64, 25.836,
319.250

69, 14.129,
318.804

74, 2.591, 318.311

79, 8.701, 137.991

84, 19.701,
137.586

■ 89, 30.390,
137.216

Harmonies

Complementary

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



46, 70.421, 320.697



68, 68.823, 134.722

Rectangle

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



46, 70.421, 320.697



46, 70.421, 10.697



46, 70.421, 140.697



46, 70.421, 190.697

Sweetspot

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



46, 70.419, 320.697



83, 27.200, 319.119



43, 52.890, 289.982



42, 18.742, 319.245



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



46, 70.419, 320.697



54, 99.912, 320.813



48, 60.213, 337.740



36, 6.479, 318.672



31, 81.589, 320.196



2, 17.120, 315.578

Inverse Universe

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



46, 49.538, 11.868



55, 72.226, 16.645



67, 60.754, 146.687



36, 4.166, 2.734



32, 63.114, 27.303



2, 10.951, 6.426

Previews

White Background



This preview shows how the CIELCh color 46, 70.421, 320.697 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 46, 70.421, 320.697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

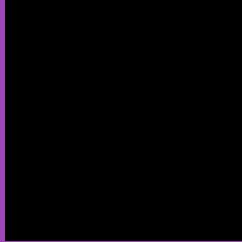
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 70.421, 320.697

Background



This preview shows how black text looks on a background with the CIELCh color 46, 70.421, 320.697.

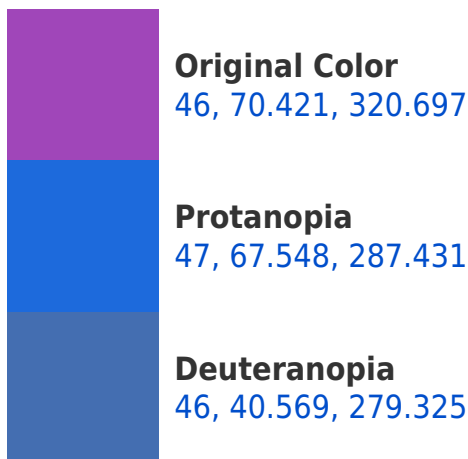


This preview shows how white text looks on a background with the CIELCh color 46, 70.421, 320.697.

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





Tritanopia
46, 23.609, 12.796

Trichromacy



Original Color
46, 70.421, 320.697

Protanomaly
44, 67.698, 295.657

Deuteranomaly
45, 50.752, 298.702

Tritanomaly
45, 36.952, 338.165

Monochromacy



Original Color
46, 70.421, 320.697

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 27.988, 319.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 70.421, 320.697 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(160, 70, 185)` looks like.

```
.text, #text, p{  
    color:rgb(160, 70, 185)  
}
```

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(160, 70, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 70, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 70.421, 320.697 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(160, 70, 185) }
```

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

```
.border{ border-color:rgb(160, 70, 185) }
```

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

Here you see how a box with a 4 pixel rgb(160, 70, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 70, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 70, 185);  
box-shadow:4px 4px 4px 4px rgb(160, 70,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 70.421, 320.697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 70, 185) }
```

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

```
.background{ background-color: rgb(160, 70,  
185) }
```

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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