

Converting Colors

CIELCh(60, 25.279, 320.358)

Have a look what the booklet for
CIELCh(60, 25.279, 320.358)
contains.

CIELCh(60, 25.046, 320.417)	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(60, 25.046, 320.417)

Conversions

Conversions Part 1

Format	Color
Hex	A686AD
RGB	166, 134, 173
RGB Percent	65%, 53%, 68%
CMY	0.3495, 0.4750, 0.3220
CMYK	0.04, 0.23, 0.00, 0.32
HSL	289°, 19%, 60%
HSV	289°, 23%, 68%
XYZ	31.7396, 28.1233, 43.2281
YIQ	148.0140, 6.5530, 18.9130

Conversions

Conversions Part 2

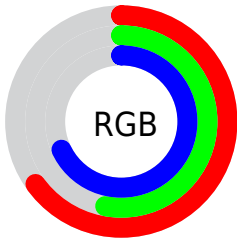
Format	Color
RYB	166, 134, 173
Decimal	10913453
CIELab	60.00, 19.30, -15.96
CIELCh	60, 25.046, 320.417
Yxy	28.1233, 0.3079, 0.2728
Android (android.graphics.Color)	4289103533 (0xFFA686AD)
YUV	148.0140, 12.3181, 15.7737
Hunter-Lab	53.0314, 14.0280, -11.2077




Details

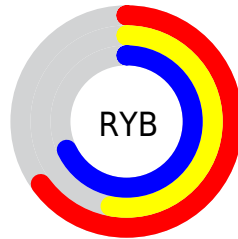
The CIELCh color $60, 25.046, 320.417$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $67, 24.814, 138.280$, and the grayscale version is $61, 0.008, 296.813$.




A 20% lighter version of the original color is $80, 25.008, 320.490$, and $40, 25.359, 320.435$ is the 20% darker color. If you saturate the color by 10%, you get $55, 36.236, 320.857$, and if you desaturate by 10%, it is $65, 13.852, 319.963$.

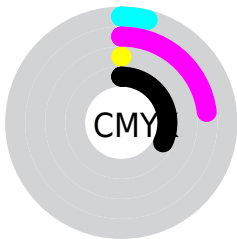
Distribution







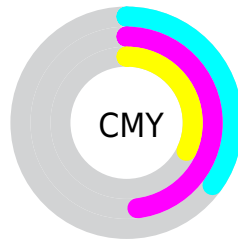
-  Red (65%)
-  Green (53%)
-  Blue (68%)






-  Red (65%)
-  Yellow (53%)
-  Blue (68%)



-  Cyan (4%)
-  Magenta (23%)
-  Yellow (0%)
-  Black (32%)



-  Cyan (35%)
-  Magenta (48%)
-  Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 25.046, 320.417 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 60, 25.046, 320.417 by changing the saturation by 10% instead.

60, 25.046,
320.417

60, 25.046,
320.417

100, 25.046,
320.417

50, 25.046,
320.417

80, 25.046,
320.417

40, 25.046,
320.417

90, 25.046,
320.417

30, 25.046,
320.417

20, 25.046,
320.417

10, 25.046,
320.417

0, 25.046, 320.417

60, 25.046,

60, 25.046,

320.417

■ 55, 36.236,
320.857

■ 51, 47.217,
321.266

■ 47, 57.685,
321.619

■ 44, 67.239,
321.881

■ 41, 75.400,
322.014

■ 38, 81.687,
321.977

■ 36, 85.765,
321.736

■ 35, 87.736,
321.461

320.417

■ 65, 13.852,
319.963

■ 69, 2.799, 319.465

■ 74, 8.031, 139.128

■ 79, 18.590,
138.706

■ 84, 28.855,
138.320

■ 89, 38.818,
137.962

■ 94, 48.482,
137.632

■ 94, 47.971,
136.589

■ 94, 47.414,
135.505

Harmonies

Complementary

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



60, 25.046, 320.417



67, 24.814, 138.280

Rectangle

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



60, 25.046, 320.417



60, 25.046, 10.417



60, 25.046, 140.417



60, 25.046, 190.417

Sweetspot

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



60, 25.044, 320.417



85, 9.507, 319.710



59, 18.156, 284.302



45, 6.172, 319.737



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



60, 25.044, 320.417



74, 37.131, 320.636



60, 21.137, 336.559



34, 6.245, 319.813



31, 79.187, 321.532



2, 12.848, 317.388

Inverse Universe

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



60, 16.134, 7.092



73, 24.163, 7.730



67, 20.929, 153.252



34, 3.920, 5.600



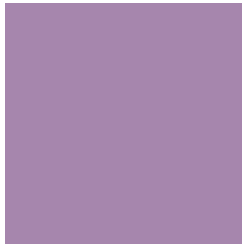
31, 63.001, 30.010



2, 7.998, 7.417

Previews

White Background



This preview shows how the CIELCh color 60, 25.046, 320.417 looks on a white background.

Color Contrast Check

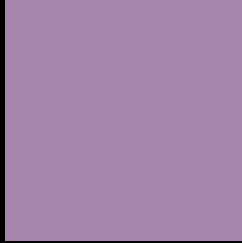
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 60, 25.046, 320.417 looks on a black 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

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

CIELCh 60, 25.046, 320.417

Background



This preview shows how black text looks on a background with the CIELCh color 60, 25.046, 320.417.



This preview shows how white text looks on a background with the CIELCh color 60, 25.046, 320.417.

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

60, 25.046, 320.417

Protanopia

60, 20.423, 285.654

Deuteranopia

60, 17.109, 298.098



Tritanopia
60, 11.262, 347.223

Trichromacy



Original Color
60, 25.046, 320.417

Protanomaly
60, 21.139, 299.211

Deuteranomaly
60, 20.093, 307.965

Tritanomaly
60, 15.508, 331.221

Monochromacy



Original Color
60, 25.046, 320.417

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 9.164, 320.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 25.046, 320.417 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(166, 134, 173)` looks like.

```
.text, #text, p{  
    color:rgb(166, 134, 173)  
}
```

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(166, 134, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 134, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 25.046, 320.417 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(166, 134, 173) }
```

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

```
.border{ border-color:rgb(166, 134, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 134, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 134, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 134, 173);  
box-shadow:4px 4px 4px 4px rgb(166, 134,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 25.046, 320.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 134, 173) }
```

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

```
.background{ background-color: rgb(166,  
134, 173) }
```

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