

Converting Colors

CIELCh(65, 20.201, 327.297)

Have a look what the booklet for
CIELCh(65, 20.201, 327.297)
contains.

CIELCh(65, 20.087, 328.086)	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(65, 20.087, 328.086)

Conversions

Conversions Part 1

Format	Color
Hex	B494B1
RGB	180, 148, 177
RGB Percent	71%, 58%, 69%
CMY	0.2942, 0.4197, 0.3060
CMYK	0.00, 0.18, 0.02, 0.29
HSL	306°, 18%, 64%
HSV	306°, 18%, 71%
XYZ	37.3373, 34.0472, 46.1873
YIQ	160.8740, 9.7630, 15.8030

Conversions

Conversions Part 2

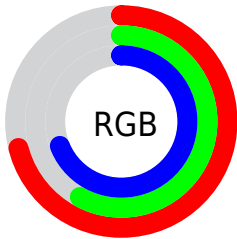
Format	Color
RYB	180, 148, 177
Decimal	11834545
CIELab	65.00, 17.05, -10.62
CIELCh	65, 20.087, 328.086
Yxy	34.0472, 0.3176, 0.2896
Android (android.graphics.Color)	4290024625 (0xFFB494B1)
YUV	160.8740, 7.9501, 16.7735
Hunter-Lab	58.3500, 12.1072, -6.0864

Details

The CIELCh color $65, 20.087, 328.086$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $70, 20.052, 145.950$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 20.342, 327.735$, and $45, 20.004, 328.582$ is the 20% darker color. If you saturate the color by 10%, you get $61, 31.395, 328.670$, and if you desaturate by 10%, it is $70, 8.745, 327.495$.

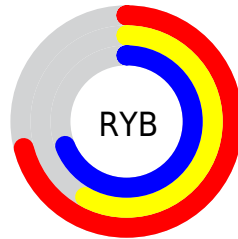
Distribution



Red (71%)

Green (58%)

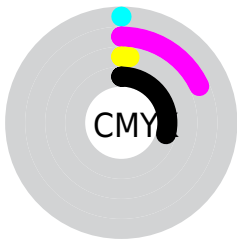
Blue (69%)



Red (71%)

Yellow (58%)

Blue (69%)

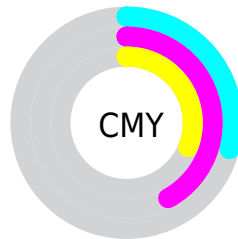


Cyan (0%)

Magenta (18%)

Yellow (2%)

Black (29%)



Cyan (29%)


Magenta (42%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 20.087, 328.086 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 65, 20.087, 328.086 by changing the saturation by 10% instead.


 65, 20.087,
328.086


 65, 20.087,
328.086


 100, 20.087,
328.086


 55, 20.087,
328.086


 85, 20.087,
328.086

 45, 20.087,
328.086

 95, 20.087,
328.086

 35, 20.087,
328.086

 25, 20.087,
328.086

 15, 20.087,
328.086

 5, 20.087, 328.086

 0, 20.087, 328.086

65, 20.087,
328.086

65, 20.087,
328.086

61, 31.395,
328.670

70, 8.745, 327.495

56, 42.441,
329.247

74, 2.467, 147.067

53, 52.902,
329.810

79, 13.451,
146.435

49, 62.373,
330.351

84, 24.148,
145.901

46, 70.394,
330.863

89, 34.532,
145.397

44, 76.529,
331.345

94, 44.022,
144.981


43, 80.485,
331.802


94, 43.328,
145.648

42, 82.356,

94, 42.638,
146.335

332.248

 94, 41.952,
147.042

 42, 82.673,
332.347

Harmonies

Complementary

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



65, 20.087, 328.086



70, 20.052, 145.950

Rectangle

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



65, 20.087, 328.086



65, 20.087, 18.086



65, 20.087, 148.086



65, 20.087, 198.086

Sweetspot

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



65, 20.085, 328.086



90, 6.962, 327.326



63, 18.001, 295.121



47, 4.748, 327.371



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 20.085, 328.086



81, 29.451, 328.296



65, 14.412, 350.028



35, 6.331, 327.588



35, 73.408, 332.289



2, 14.768, 328.487

Inverse Universe

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



65, 20.085, 328.086



81, 29.451, 328.296



71, 13.957, 166.815



35, 6.331, 327.588



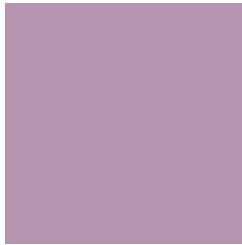
35, 73.408, 332.289



2, 14.768, 328.487

Previews

White Background



This preview shows how the CIELCh color 65, 20.087, 328.086 looks on a white background.

Color Contrast Check

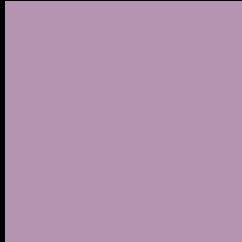
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 65, 20.087, 328.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

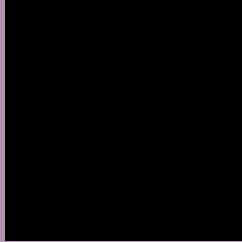
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 20.087, 328.086

Background



This preview shows how black text looks on a background with the CIELCh color 65, 20.087, 328.086.



This preview shows how white text looks on a background with the CIELCh color 65, 20.087, 328.086.

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

65, 20.087, 328.086

Protanopia

65, 14.492, 286.085

Deuteranopia

65, 12.951, 309.620



Tritanopia
65, 12.079, 350.327

Trichromacy



Original Color
65, 20.087, 328.086

Protanomaly
65, 15.433, 303.902

Deuteranomaly
65, 14.991, 317.860

Tritanomaly
65, 14.557, 340.520

Monochromacy



Original Color
65, 20.087, 328.086

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 7.645, 327.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 20.087, 328.086 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(180, 148, 177)` looks like.

```
.text, #text, p{  
    color:rgb(180, 148, 177)  
}
```

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(180, 148, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 148, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 20.087, 328.086 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(180, 148, 177) }
```

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

```
.border{ border-color:rgb(180, 148, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 148, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 148, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 148, 177); box-shadow:4px 4px 4px 4px rgb(180, 148, 177) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 20.087, 328.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 148, 177) }
```

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

```
.background{ background-color: rgb(180,  
148, 177) }
```

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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