

Converting Colors

CIELCh(80, 23.801, 325.343)

Have a look what the booklet for
CIELCh(80, 23.801, 325.343)
contains.

CIELCh(80, 23.760, 325.337)	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(80, 23.760, 325.337)

Conversions

Conversions Part 1

Format	Color
Hex	E0BBE0
RGB	224, 187, 224
RGB Percent	88%, 73%, 88%
CMY	0.1221, 0.2672, 0.1221
CMYK	0.00, 0.17, 0.00, 0.12
HSL	300°, 37%, 81%
HSV	300°, 17%, 88%
XYZ	61.8732, 56.6813, 78.1003
YIQ	202.2810, 10.1750, 19.3510

Conversions

Conversions Part 2

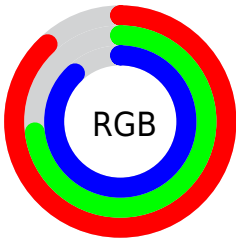
Format	Color
R_{YB}	224, 187, 224
Decimal	14728160
CIE _{Lab}	80.00, 19.54, -13.51
CIE _{LCh}	80, 23.760, 325.337
Yxy	56.6813, 0.3146, 0.2882
Android (android.graphics.Color)	4292918240 (0xFFE0BBE0)
YUV	202.2810, 10.7075, 19.0476
Hunter-Lab	75.2870, 14.9447, -8.8047

Details

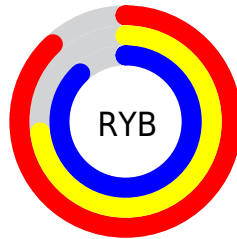
The CIELCh color $80, 23.760, 325.337$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $86, 23.736, 143.416$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 7.476, 324.660$, and $60, 23.511, 324.746$ is the 20% darker color. If you saturate the color by 10%, you get $75, 38.151, 325.884$, and if you desaturate by 10%, it is $85, 9.335, 324.769$.

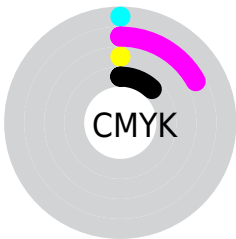
Distribution



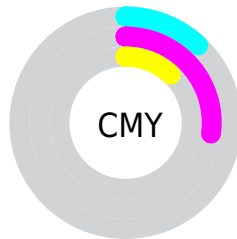
- Red (88%)
- Green (73%)
- Blue (88%)



- Red (88%)
- Yellow (73%)
- Blue (88%)



- Cyan (0%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)





- Cyan (12%)
- Magenta (27%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 23.760, 325.337 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 80, 23.760, 325.337 by changing the saturation by 10% instead.


 80, 23.760,
325.337


 80, 23.760,
325.337


 100, 23.760,
325.337


 70, 23.760,
325.337

 60, 23.760,
325.337

 50, 23.760,
325.337

 40, 23.760,
325.337

 30, 23.760,
325.337

 20, 23.760,
325.337

 10, 23.760,

325.337

0, 23.760, 325.337

80, 23.760,
325.337

80, 23.760,
325.337

75, 38.151,
325.884

85, 9.335, 324.769

70, 52.221,
326.406

91, 4.913, 144.311

65, 65.562,
326.890

97, 18.859,
143.736

61, 77.672,
327.318

97, 19.457,
143.713

58, 87.990,
327.674

97, 19.457,
143.713

97, 19.457,
143.712

■ 56, 96.001,
327.944

■ 97, 19.457,
143.712

■ 54, 101.370,
328.122

■ 97, 19.457,
143.712

■ 53, 104.120,
328.212

■ 97, 19.457,
143.712

■ 53, 104.736,
328.232

Harmonies

Complementary

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



80, 23.760, 325.337



86, 23.736, 143.416

Rectangle

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



80, 23.760, 325.337



80, 23.760, 15.337



80, 23.760, 145.337



80, 23.760, 195.337

Sweetspot

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



80, 23.758, 325.337



97, 7.944, 324.679



77, 19.553, 291.348



51, 5.422, 324.722



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 23.758, 325.337



88, 31.983, 325.537



79, 17.005, 344.150



44, 8.154, 324.939



42, 87.490, 328.232



8, 35.926, 328.228

Inverse Universe

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



79, 14.123, 20.518



86, 19.269, 20.851



86, 16.680, 161.372



44, 4.728, 19.932



36, 79.113, 39.952



6, 25.541, 20.938

Previews

White Background



This preview shows how the CIELCh color 80, 23.760, 325.337 looks on a white background.

Color Contrast Check

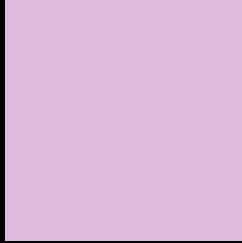
Large Text (above 18pt) WCAG AA × Fail

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 80, 23.760, 325.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

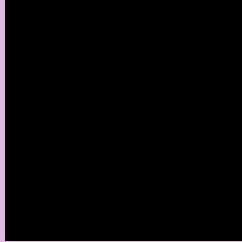
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 23.760, 325.337

Background



This preview shows how black text looks on a background with the CIELCh color 80, 23.760, 325.337.



This preview shows how white text looks on a background with the CIELCh color 80, 23.760, 325.337.

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

80, 23.760, 325.337

Protanopia

80, 17.634, 286.223

Deuteranopia

80, 16.817, 308.527



Tritanopia
80, 13.947, 345.718

Trichromacy



Original Color
80, 23.760, 325.337

Protanomaly
80, 19.134, 303.264

Deuteranomaly
80, 18.839, 315.932

Tritanomaly
80, 17.177, 335.424

Monochromacy



Original Color
80, 23.760, 325.337

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 9.056, 324.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 23.760, 325.337 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(224, 187, 224)` looks like.

```
.text, #text, p{  
    color:rgb(224, 187, 224)  
}
```

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(224, 187, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 187, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 23.760, 325.337 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(224, 187, 224) }
```

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

```
.border{ border-color:rgb(224, 187, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 187, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 187, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 187, 224);  
box-shadow:4px 4px 4px 4px rgb(224, 187,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 23.760, 325.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 187, 224) }
```

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

```
.background{ background-color: rgb(224,  
187, 224) }
```

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