

Converting Colors

CIELCh(64, 55.974, 310.047)

Have a look what the booklet for
CIELCh(64, 55.974, 310.047)
contains.

CIELCh(64, 55.920, 310.037)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 55.920, 310.037)

Conversions

Conversions Part 1

Format	Color
Hex	B487E8
RGB	180, 135, 232
RGB Percent	71%, 53%, 91%
CMY	0.2946, 0.4710, 0.0907
CMYK	0.22, 0.42, 0.00, 0.09
HSL	268°, 68%, 72%
HSV	268°, 42%, 91%
XYZ	41.9874, 32.8017, 80.3654
YIQ	159.5130, -4.3170, 39.7070

Conversions

Conversions Part 2

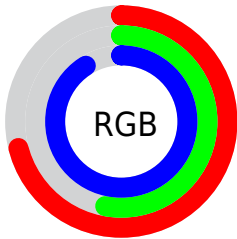
Format	Color
RYB	180, 135, 232
Decimal	11831272
CIELab	64.00, 35.97, -42.81
CIELCh	64, 55.920, 310.037
Yxy	32.8017, 0.2706, 0.2114
Android (android.graphics.Color)	4290021352 (0xFFB487E8)
YUV	159.5130, 35.7361, 17.9671
Hunter-Lab	57.2727, 30.6334, -43.1051

Details

The CIELCh color $64, 55.920, 310.037$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87, 52.322, 125.792$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 38.612, 317.710$, and $44, 56.133, 310.043$ is the 20% darker color. If you saturate the color by 10%, you get $58, 69.725, 310.621$, and if you desaturate by 10%, it is $71, 42.100, 309.446$.

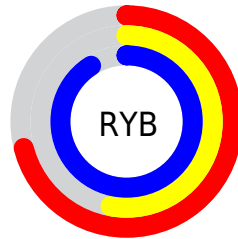
Distribution



Red (71%)

Green (53%)

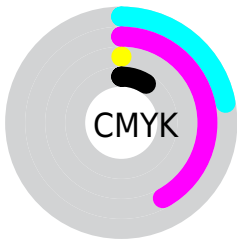
Blue (91%)



Red (71%)

Yellow (53%)

Blue (91%)

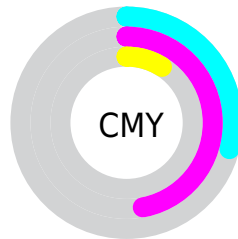


Cyan (22%)

Magenta (42%)

Yellow (0%)

Black (9%)



Cyan (29%)

Magenta (47%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 55.920, 310.037 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 64, 55.920, 310.037 by changing the saturation by 10% instead.

64, 55.920,
310.037

64, 55.920,
310.037

100, 55.920,
310.037

54, 55.920,
310.037

84, 55.920,
310.037

44, 55.920,
310.037

94, 55.920,
310.037

34, 55.920,
310.037

24, 55.920,
310.037

14, 55.920,
310.037

4, 55.920, 310.037

0, 55.920, 310.037

64, 55.920,
310.037

64, 55.920,
310.037

58, 69.725,
310.621

71, 42.100,
309.446

52, 83.128,
311.147

77, 28.494,
308.879

46, 95.491,
311.533

84, 15.217,
308.349

42, 105.913,
311.667

91, 2.324, 307.829

38, 113.385,
311.422

97, 10.167,
127.464

36, 117.221,
310.945

99, 11.711,
110.248

99, 11.707,
109.292

Harmonies

Complementary

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



64, 55.920, 310.037



87, 52.322, 125.792

Rectangle

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



64, 55.920, 310.037



64, 55.920, 0.037



64, 55.920, 130.037



64, 55.920, 180.037

Sweetspot

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



64, 55.918, 310.037



91, 18.099, 308.413



74, 27.956, 256.944



47, 12.706, 308.528



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 55.918, 310.037



64, 72.614, 310.532



69, 60.469, 325.194



45, 7.221, 308.229



27, 96.195, 311.135



4, 35.404, 309.755

Inverse Universe

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



68, 45.057, 345.800



70, 57.557, 346.918



84, 60.375, 140.110



45, 5.998, 342.480



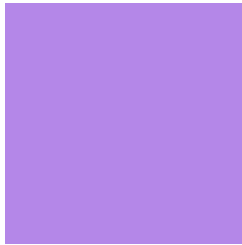
38, 65.372, 358.507



7, 28.002, 352.250

Previews

White Background



This preview shows how the CIELCh color 64, 55.920, 310.037 looks on a white background.

Color Contrast Check

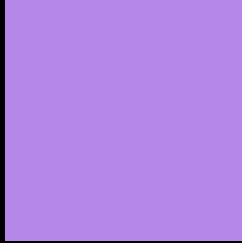
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 55.920, 310.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

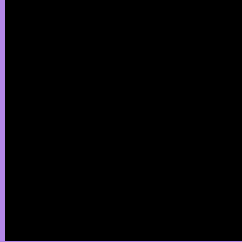
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 55.920, 310.037

Background



This preview shows how black text looks on a background with the CIELCh color 64, 55.920, 310.037.



This preview shows how white text looks on a background with the CIELCh color 64, 55.920, 310.037.

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


64, 55.920, 310.037

Protanopia

64, 53.144, 286.005

Deuteranopia

64, 41.712, 282.425



Tritanopia
64, 9.630, 336.380

Trichromacy



Original Color
64, 55.920, 310.037

Protanomaly
64, 52.943, 293.990

Deuteranomaly
64, 45.759, 293.738

Tritanomaly
64, 25.488, 314.845

Monochromacy



Original Color
64, 55.920, 310.037

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 20.542, 309.452

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 55.920, 310.037 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, 135, 232)` looks like.

```
.text, #text, p{  
    color:rgb(180, 135, 232)  
}
```

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, 135, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 135, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 55.920, 310.037 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, 135, 232) }
```

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

```
.border{ border-color:rgb(180, 135, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 135, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 135, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 135, 232);  
box-shadow:4px 4px 4px 4px rgb(180, 135,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 55.920, 310.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 135, 232) }
```

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

```
.background{ background-color: rgb(180,  
135, 232) }
```

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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