

Converting Colors

CIELCh(19, 25.652, 307.606)

Have a look what the booklet for
CIELCh(19, 25.652, 307.606)
contains.

| | |
|------------------------------------------------|----|
| CIELCh(19, 25.929, 307.459) | 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(19, 25.929, 307.459)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 35274C |
| RGB | 53, 39, 76 |
| RGB Percent | 21%, 15%, 30% |
| CMY | 0.7915, 0.8464, 0.7013 |
| CMYK | 0.30, 0.49, 0.00, 0.70 |
| HSL | 263°, 32%, 23% |
| HSV | 263°, 49%, 30% |
| XYZ | 3.5181, 2.7468, 7.2136 |
| YIQ | 47.4040, -3.5330, 14.4750 |

Conversions

Conversions Part 2

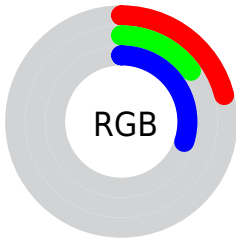
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 53, 39, 76 |
| Decimal | 3483468 |
| CIE _{Lab} | 19.00, 15.77, -20.58 |
| CIE _{LCh} | 19, 25.929, 307.459 |
| Yxy | 2.7468, 0.2610, 0.2038 |
| Android (android.graphics.Color) | 4281673548 (0xFF35274C) |
| YUV | 47.4040, 14.0978, 4.9077 |
| Hunter-Lab | 16.5735, 8.8865, -14.2043 |

Details

The CIELCh color **19, 25.929, 307.459** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **30, 23.869, 122.466**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 26.026, 307.780**, and **1, 18.701, 296.863** is the 20% darker color. If you saturate the color by 10%, you get **16, 31.530, 308.123**, and if you desaturate by 10%, it is **22, 20.356, 306.809**.

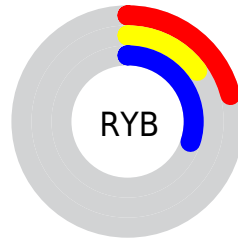
Distribution



Red (21%)

Green (15%)

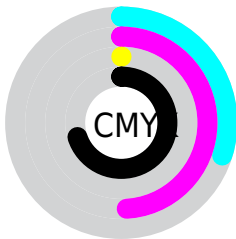
Blue (30%)



Red (21%)

Yellow (15%)

Blue (30%)

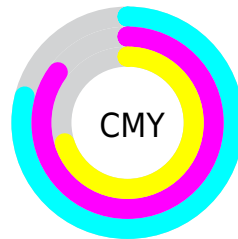


Cyan (30%)

Magenta (49%)

Yellow (0%)

Black (70%)



Cyan (79%)

Magenta (85%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 25.929, 307.459 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 19, 25.929, 307.459 by changing the saturation by 10% instead.

■ 19, 25.929,
307.459

■ 19, 25.929,
307.459

■ 100, 25.929,
307.459

■ 9, 25.929, 307.459

■ 39, 25.929,
307.459

■ 0, 25.929, 307.459

■ 49, 25.929,
307.459

■ 59, 25.929,
307.459


■ 69, 25.929,
307.459


■ 79, 25.929,
307.459


■ 89, 25.929,


307.459


 99, 25.929,
307.459


 19, 25.929,
307.459


 19, 25.929,
307.459

 16, 31.530,
308.123

 22, 20.356,
306.809

 14, 37.039,
308.760

 24, 14.881,
306.194

 12, 42.254,
309.309

 27, 9.539, 305.627

 9, 46.903, 309.691

 30, 4.346, 305.108

 7, 51.895, 310.340

 33, 0.694, 124.711

 7, 52.621, 310.438

 36, 5.581, 124.253

■ 38, 10.321,
123.886

■ 41, 14.919,
123.566

■ 44, 19.382,
123.285

Harmonies

Complementary

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



19, 25.929, 307.459



30, 23.869, 122.466

Rectangle

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



19, 25.929, 307.459



19, 25.929, 357.459



19, 25.929, 127.459



19, 25.929, 177.459

Sweetspot

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



19, 25.928, 307.459



37, 9.553, 305.465



25, 12.118, 246.361



18, 6.583, 305.526



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



19, 25.928, 307.459



22, 38.955, 308.228



21, 27.682, 322.751



14, 2.832, 305.112



12, 64.868, 310.087



33, 118.386, 309.351

Inverse Universe

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



21, 22.096, 341.395



26, 32.257, 342.580



29, 27.409, 138.014



14, 2.537, 338.172



21, 45.522, 349.383



50, 81.305, 351.516

Previews

White Background



This preview shows how the CIE LCh color 19, 25.929, 307.459 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 19, 25.929, 307.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

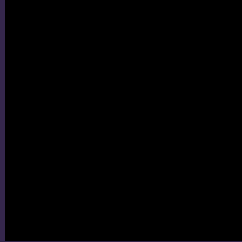
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 25.929, 307.459

Background



This preview shows how black text looks on a background with the CIELCh color 19, 25.929, 307.459.



This preview shows how white text looks on a background with the CIELCh color 19, 25.929, 307.459.

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


19, 25.929, 307.459

Protanopia

19, 25.510, 284.956

Deuteranopia

19, 19.647, 277.862



Tritanopia
19, 2.268, 314.849

Trichromacy



Original Color
19, 25.929, 307.459

Protanomaly
19, 25.338, 292.244

Deuteranomaly
19, 21.275, 289.468

Tritanomaly
19, 10.658, 306.687

Monochromacy



Original Color
19, 25.929, 307.459

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 9.203, 305.992

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 25.929, 307.459 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(53, 39, 76)` looks like.

```
.text, #text, p{  
    color:rgb(53, 39, 76)  
}
```

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(53, 39, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 39, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 25.929, 307.459 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(53, 39, 76) }
```

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

```
.border{ border-color:rgb(53, 39, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 39, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 39, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 39, 76);  
box-shadow:4px 4px 4px 4px rgb(53, 39, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 25.929, 307.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 39, 76) }
```

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

```
.background{ background-color: rgb(53, 39,  
76) }
```

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