

Converting Colors

CIELCh(10, 63.138, 309.312)

Have a look what the booklet for
CIELCh(10, 63.138, 309.312)
contains.

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Color

CIELCh(10, 62.765, 309.262)

Conversions

Conversions Part 1

Format	Color
Hex	1F0060
RGB	31, 0, 96
RGB Percent	12%, 0%, 38%
CMY	0.8793, 1.0000, 0.6243
CMYK	0.68, 1.00, 0.00, 0.62
HSL	259°, 100%, 19%
HSV	259°, 100%, 38%
XYZ	2.6593, 1.1260, 11.0980
YIQ	20.2130, -12.3400, 36.4280

Conversions

Conversions Part 2

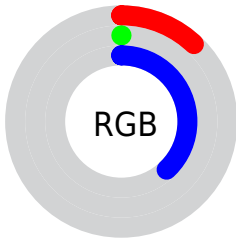
Format	Color
R_{YB}	31, 0, 96
Decimal	2031712
CIE _{Lab}	10.00, 39.72, -48.60
CIE _{LCh}	10, 62.765, 309.262
Yxy	1.1260, 0.1787, 0.0757
Android (android.graphics.Color)	4280221792 (0xFF1F0060)
YUV	20.2130, 37.3630, 9.4602
Hunter-Lab	10.6114, 26.1633, -54.5809

Details

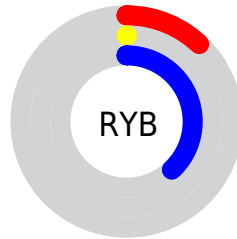
The CIELCh color **10, 62.765, 309.262** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **37, 49.940, 119.945**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 62.980, 309.321**, and **3, 29.467, 293.910** is the 20% darker color. If you saturate the color by 10%, you get **10, 62.698, 309.237**, and if you desaturate by 10%, it is **12, 57.354, 308.622**.

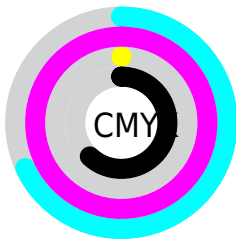
Distribution



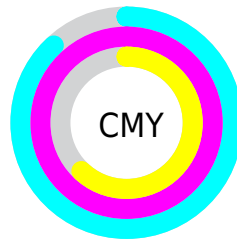
- Red (12%)
- Green (0%)
- Blue (38%)



- Red (12%)
- Yellow (0%)
- Blue (38%)



- Cyan (68%)
- Magenta (100%)
- Yellow (0%)
- Black (62%)





- Cyan (88%)
- Magenta (100%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 62.765, 309.262 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 10, 62.765, 309.262 by changing the saturation by 10% instead.


 10, 62.765,
309.262


 10, 62.765,
309.262


 100, 62.765,
309.262


 0, 62.765, 309.262

 30, 62.765,
309.262

 40, 62.765,
309.262


 50, 62.765,
309.262


 60, 62.765,
309.262


 70, 62.765,
309.262


 80, 62.765,


309.262


 90, 62.765,
309.262


 10, 62.765,
309.262


 10, 62.765,
309.262


 10, 62.698,
309.237

 12, 57.354,
308.622

 15, 52.007,
308.184

 17, 45.760,
307.511

 20, 39.072,
306.726

 24, 32.248,
305.914

■ 27, 25.465,
305.126

■ 30, 18.816,
304.392

■ 34, 12.347,
303.722

■ 37, 6.076, 303.120

Harmonies

Complementary

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



10, 62.765, 309.262



37, 49.940, 119.945

Rectangle

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



10, 62.765, 309.262



10, 62.765, 359.262



10, 62.765, 129.262



10, 62.765, 179.262

Sweetspot

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



10, 62.698, 309.237



40, 23.444, 304.457



26, 23.810, 255.592



18, 16.192, 304.666



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



10, 62.698, 309.237



15, 75.965, 308.933



18, 57.293, 321.697



18, 3.434, 303.057



13, 70.238, 309.047



34, 123.701, 308.458

Inverse Universe

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



19, 45.043, 344.987



27, 54.058, 345.676



35, 57.113, 134.220



18, 3.232, 335.687



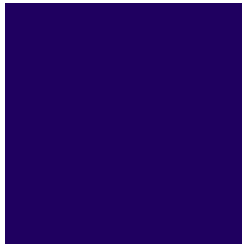
24, 50.162, 345.413



53, 86.664, 346.878

Previews

White Background



This preview shows how the CIELCh color 10, 62.765, 309.262 looks on a white background.

Color Contrast Check

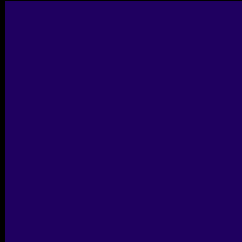
Large Text (above 18pt) WCAG AA ✓ Pass

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 10, 62.765, 309.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

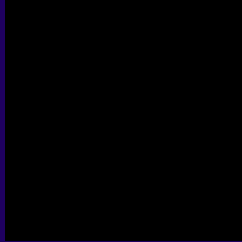
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 62.765, 309.262

Background



This preview shows how black text looks on a background with the CIELCh color 10, 62.765, 309.262.



This preview shows how white text looks on a background with the CIELCh color 10, 62.765, 309.262.

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


10, 62.765, 309.262

Protanopia

12, 25.143, 280.179

Deuteranopia

12, 17.758, 263.683



Tritanopia
12, 12.729, 203.160

Trichromacy



Original Color
10, 62.765, 309.262

Protanomaly
10, 40.618, 298.852

Deuteranomaly
9, 35.865, 296.967

Tritanomaly
9, 26.704, 291.527

Monochromacy



Original Color
10, 62.765, 309.262

Achromatopsia
6, 0.002, 296.812

Achromatomaly
6, 26.189, 306.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 62.765, 309.262 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(31, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(31, 0, 96)  
}
```

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(31, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 0, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 62.765, 309.262 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(31, 0, 96) }
```

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

```
.border{ border-color:rgb(31, 0, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 0, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 0, 96); -webkit-box-shadow:4px  
4px 4px 4px rgb(31, 0, 96); box-shadow:4px  
4px 4px 4px rgb(31, 0, 96) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 62.765, 309.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 0, 96) }
```

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

```
.background{ background-color: rgb(31, 0,  
96) }
```

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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