

Converting Colors

CIELCh(10, 66.299, 307.031)

Have a look what the booklet for
CIELCh(10, 66.299, 307.031)
contains.

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Color

CIELCh(10, 65.994, 307.025)

Conversions

Conversions Part 1

Format	Color
Hex	120266
RGB	18, 2, 102
RGB Percent	7%, 1%, 40%
CMY	0.9301, 0.9924, 0.6004
CMYK	0.83, 0.98, 0.00, 0.60
HSL	250°, 96%, 20%
HSV	250°, 98%, 40%
XYZ	2.6602, 1.1260, 12.6209
YIQ	18.1840, -22.5640, 34.4920

Conversions

Conversions Part 2

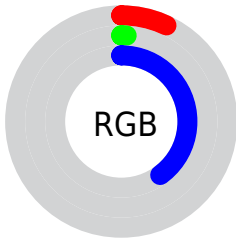
Format	Color
R_{YB}	18, 2, 102
Decimal	1180262
CIE _{Lab}	10.00, 39.74, -52.69
CIE _{LCh}	10, 65.994, 307.025
Yxy	1.1260, 0.1621, 0.0686
Android (android.graphics.Color)	4279370342 (0xFF120266)
YUV	18.1840, 41.3213, -0.1614
Hunter-Lab	10.6114, 26.1786, -63.0897

Details

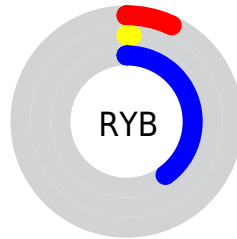
The CIELCh color **10, 65.994, 307.025** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **40, 49.650, 111.906**, and the grayscale version is **5, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 65.864, 307.005**, and **3, 32.980, 295.720** is the 20% darker color. If you saturate the color by 10%, you get **10, 67.169, 307.298**, and if you desaturate by 10%, it is **12, 60.407, 305.972**.

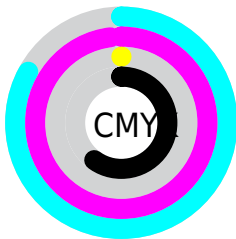
Distribution



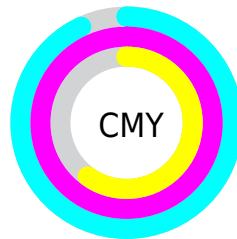
- Red (7%)
- Green (1%)
- Blue (40%)



- Red (7%)
- Yellow (1%)
- Blue (40%)



- Cyan (83%)
- Magenta (98%)
- Yellow (0%)
- Black (60%)



- Cyan (93%)
- Magenta (99%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 65.994, 307.025 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, 65.994, 307.025 by changing the saturation by 10% instead.

■ 10, 65.994,
307.025

■ 10, 65.994,
307.025

■ 100, 65.994,
307.025

■ 0, 65.994, 307.025

■ 30, 65.994,
307.025

■ 40, 65.994,
307.025


■ 50, 65.994,
307.025


■ 60, 65.994,
307.025


■ 70, 65.994,
307.025


■ 80, 65.994,


307.025


 90, 65.994,
307.025


 10, 65.994,
307.025


 10, 65.994,
307.025


 10, 67.169,
307.298

 12, 60.407,
305.972

 15, 54.170,
304.881

 18, 47.094,
303.582

 22, 39.727,
302.238

 25, 32.380,
300.951

■ 29, 25.201,
299.772

■ 33, 18.249,
298.719

■ 36, 11.542,
297.793

■ 40, 5.077, 296.985

Harmonies

Complementary

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



10, 65.994, 307.025



40, 49.650, 111.906

Rectangle

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



10, 65.994, 307.025



10, 65.994, 357.025



10, 65.994, 127.025



10, 65.994, 177.025

Sweetspot

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



10, 65.995, 307.026



42, 23.450, 298.892



33, 22.137, 222.531



19, 16.051, 299.204



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



10, 65.995, 307.026



15, 81.285, 307.111



16, 60.660, 316.422



19, 3.523, 297.047



12, 73.163, 307.206



31, 127.556, 306.854

Inverse Universe

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



22, 52.005, 335.161



30, 63.017, 335.524



38, 56.933, 131.337



20, 3.789, 329.609



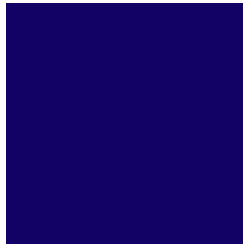
25, 56.900, 335.399



55, 97.978, 335.915

Previews

White Background



This preview shows how the CIELCh color 10, 65.994, 307.025 looks on a white background.

Color Contrast Check

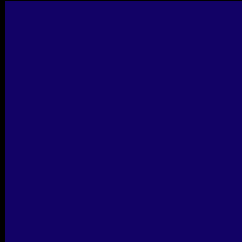
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 10, 65.994, 307.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

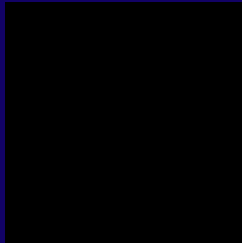
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 65.994, 307.025

Background



This preview shows how black text looks on a background with the CIELCh color 10, 65.994, 307.025.



This preview shows how white text looks on a background with the CIELCh color 10, 65.994, 307.025.

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, 65.994, 307.025

Protanopia

12, 24.491, 279.290

Deuteranopia

12, 17.212, 261.868



Tritanopia
12, 12.520, 203.301

Trichromacy



Original Color
10, 65.994, 307.025

Protanomaly
10, 42.050, 298.307

Deuteranomaly
10, 35.872, 295.258

Tritanomaly
9, 28.225, 290.504

Monochromacy



Original Color
10, 65.994, 307.025

Achromatopsia
5, 0.002, 296.812

Achromatomaly
6, 27.168, 301.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 65.994, 307.025 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(18, 2, 102)` looks like.

```
.text, #text, p{  
    color:rgb(18, 2, 102)  
}
```

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(18, 2, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 2, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 65.994, 307.025 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(18, 2, 102) }
```

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

```
.border{ border-color:rgb(18, 2, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 2, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 2, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 2, 102);  
box-shadow:4px 4px 4px 4px rgb(18, 2, 102)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 65.994, 307.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 2, 102) }
```

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

```
.background{ background-color: rgb(18, 2,  
102) }
```

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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