

Converting Colors

CIELCh(10, 13.118, 152.395)

Have a look what the booklet for
CIELCh(10, 13.118, 152.395)
contains.

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Color

CIELCh(10, 12.652, 153.366)

Conversions

Conversions Part 1

Format	Color
Hex	0C1F13
RGB	12, 31, 19
RGB Percent	5%, 12%, 7%
CMY	0.9514, 0.8772, 0.9241
CMYK	0.60, 0.00, 0.38, 0.88
HSL	142°, 43%, 9%
HSV	142°, 60%, 12%
XYZ	0.7761, 1.1260, 0.8089
YIQ	23.9510, -7.4720, -7.7600

Conversions

Conversions Part 2

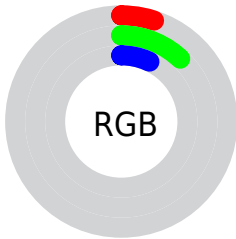
Format	Color
RYB	12, 26, 31
Decimal	794387
CIELab	10.00, -11.31, 5.67
CIELCh	10, 12.652, 153.366
Yxy	1.1260, 0.2863, 0.4153
Android (android.graphics.Color)	4278984467 (0xFF0C1F13)
YUV	23.9510, -2.4408, -10.4810
Hunter-Lab	10.6114, -5.5140, 2.9085

Details

The CIELCh color **10, 12.652, 153.366** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 11.868, 341.233**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **30, 12.608, 152.437**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 14.334, 152.736**, and if you desaturate by 10%, it is **10, 10.739, 153.952**.

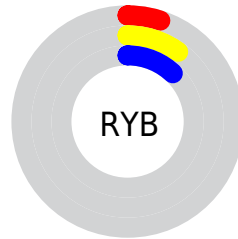
Distribution



Red (5%)

Green (12%)

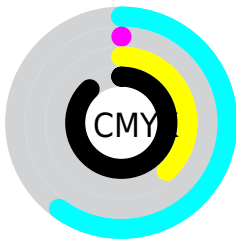
Blue (7%)



Red (5%)

Yellow (10%)

Blue (12%)

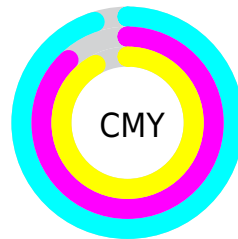


Cyan (60%)

Magenta (0%)

Yellow (38%)

Black (88%)



Cyan (95%)

Magenta (88%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 12.652, 153.366 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, 12.652, 153.366 by changing the saturation by 10% instead.

■ 10, 12.652,
153.366

■ 10, 12.652,
153.366

■ 100, 12.652,
153.366

■ 0, 12.652, 153.366

■ 30, 12.652,
153.366

■ 40, 12.652,
153.366


■ 50, 12.652,
153.366


■ 60, 12.652,
153.366

■ 70, 12.652,
153.366


■ 80, 12.652,


153.366


 90, 12.652,
153.366

 10, 12.652,
153.366

 10, 12.652,
153.366

 10, 14.334,
152.736

 10, 10.739,
153.952

 10, 15.886,
152.357

 11, 8.658, 154.664

 9, 17.346, 152.259

 11, 6.532, 155.388

 9, 18.657, 152.360

 11, 4.385, 156.049

 12, 2.235, 156.668

 12, 0.093, 158.283

■ 12, 2.029, 337.613

■ 13, 4.122, 338.099

■ 13, 6.180, 338.534

Harmonies

Complementary

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



10, 12.652, 153.366



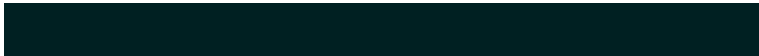
6, 11.868, 341.233

Rectangle

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



10, 12.652, 153.366



10, 12.652, 203.366



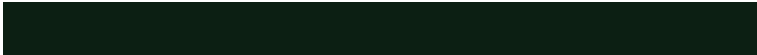
10, 12.652, 333.366



10, 12.652, 23.366

Sweetspot

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



10, 12.652, 153.366



16, 4.841, 156.116



11, 12.988, 124.675



6, 2.600, 156.220



61, 0.008, 296.813



6, 0.002, 296.812

Same Dimension

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



10, 12.652, 153.366



14, 18.921, 151.138



10, 8.609, 184.616



4, 0.742, 156.866



29, 41.067, 145.589



73, 86.203, 143.270

Inverse Universe

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



6, 11.868, 341.233



7, 19.059, 342.520



5, 9.351, 11.782



4, 0.734, 337.518



15, 38.620, 347.673



45, 75.588, 350.457

Previews

White Background



This preview shows how the CIELCh color 10, 12.652, 153.366 looks on a white background.

Color Contrast Check

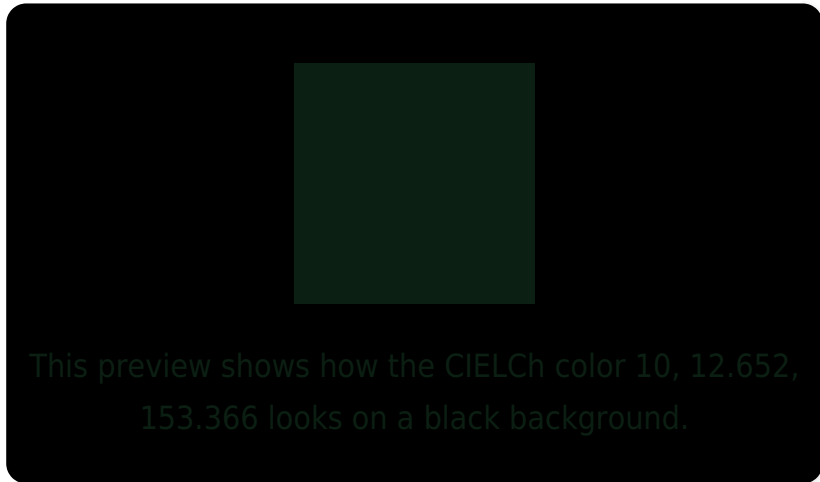
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

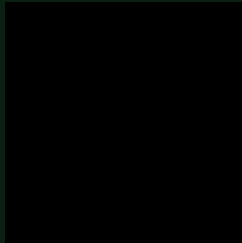
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 12.652, 153.366

Background



This preview shows how black text looks on a background with the CIELCh color 10, 12.652, 153.366.



This preview shows how white text looks on a background with the CIELCh color 10, 12.652, 153.366.

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, 12.652, 153.366

Protanopia

10, 7.094, 99.415

Deuteranopia

10, 5.825, 67.243



Tritanopia
10, 6.285, 211.572

Trichromacy



Original Color
10, 12.652, 153.366

Protanomaly
10, 8.234, 127.351

Deuteranomaly
10, 5.869, 119.140

Tritanomaly
10, 7.356, 179.805

Monochromacy



Original Color
10, 12.652, 153.366

Achromatopsia
8, 0.002, 296.813

Achromatomaly
9, 5.195, 152.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 12.652, 153.366 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(12, 31, 19)` looks like.

```
.text, #text, p{  
    color:rgb(12, 31, 19)  
}
```

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(12, 31, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 31, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 12.652, 153.366 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(12, 31, 19) }
```

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

```
.border{ border-color:rgb(12, 31, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 31, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 31, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 31, 19);  
box-shadow:4px 4px 4px 4px rgb(12, 31, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 12.652, 153.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 31, 19) }
```

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

```
.background{ background-color: rgb(12, 31,  
19) }
```

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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