

Converting Colors

CIELCh(11, 37.478, 293.374)

Have a look what the booklet for
CIELCh(11, 37.478, 293.374)
contains.

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Color

CIELCh(11, 37.663, 293.634)

Conversions

Conversions Part 1	
Format	Color
Hex	02194D
RGB	2, 25, 77
RGB Percent	1%, 10%, 30%
CMY	0.9938, 0.9007, 0.6965
CMYK	0.98, 0.67, 0.00, 0.70
HSL	221°, 96%, 15%
HSV	221°, 98%, 30%
XYZ	1.7282, 1.2610, 7.2481
YIQ	24.0510, -30.4000, 11.2960

Conversions

Conversions Part 2

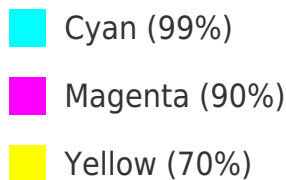
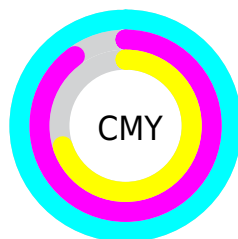
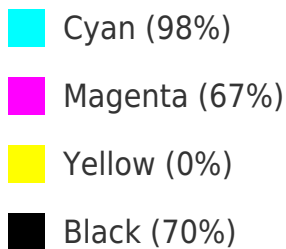
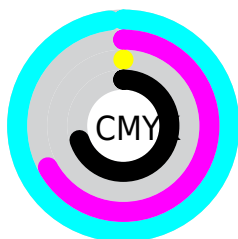
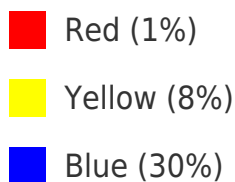
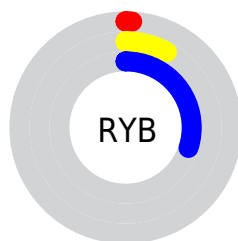
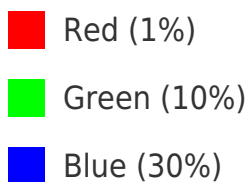
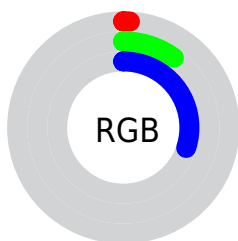
Format	Color
RYB	2, 20, 77
Decimal	137549
CIELab	11.00, 15.10, -34.50
CIELCh	11, 37.663, 293.634
Yxy	1.2610, 0.1688, 0.1232
Android (android.graphics.Color)	4278327629 (0xFF02194D)
YUV	24.0510, 26.1039, -19.3387
Hunter-Lab	11.2295, 7.8191, -30.4081

Details

The CIELCh color **11, 37.663, 293.634** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **24, 33.517, 80.147**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 38.131, 294.389**, and **1, 17.727, 289.160** is the 20% darker color. If you saturate the color by 10%, you get **11, 38.546, 294.138**, and if you desaturate by 10%, it is **13, 33.410, 290.849**.


Distribution





Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 37.663, 293.634 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 11, 37.663, 293.634 by changing the saturation by 10% instead.

 11, 37.663,
293.634


 11, 37.663,
293.634


 100, 37.663,
293.634


 1, 37.663, 293.634


 31, 37.663,
293.634

 0, 37.663, 293.634

 41, 37.663,
293.634


 51, 37.663,
293.634


 61, 37.663,
293.634


 71, 37.663,
293.634


 81, 37.663,


293.634


 91, 37.663,
293.634


 11, 37.663,
293.634

 11, 37.663,
293.634


 11, 38.546,
294.138

 13, 33.410,
290.849

 15, 29.270,
287.772

 17, 25.232,
284.924

 19, 21.298,
282.363

 22, 17.456,
280.102

■ 24, 13.693,
278.127

■ 26, 10.000,
276.413

■ 29, 6.371, 274.928

■ 31, 2.802, 273.655

Harmonies

Complementary

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



11, 37.663, 293.634



24, 33.517, 80.147

Rectangle

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



11, 37.663, 293.634



11, 37.663, 343.634



11, 37.663, 113.634



11, 37.663, 163.634

Sweetspot

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



11, 37.663, 293.636



34, 12.787, 276.747



28, 28.952, 163.076



15, 8.865, 277.149



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



11, 37.663, 293.636



15, 47.548, 295.503



6, 53.171, 306.996



14, 1.947, 273.735



15, 48.561, 295.622



38, 94.553, 298.175

Inverse Universe

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



14, 35.346, 13.556



19, 43.030, 16.250



30, 41.008, 112.904



14, 2.081, 355.713



20, 43.832, 16.441



49, 80.835, 20.787

Previews

White Background



This preview shows how the CIELCh color 11, 37.663, 293.634 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 11, 37.663, 293.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

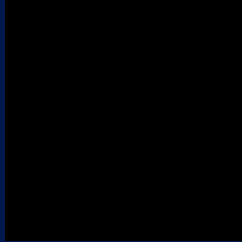
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 37.663, 293.634

Background



This preview shows how black text looks on a background with the CIELCh color 11, 37.663, 293.634.



This preview shows how white text looks on a background with the CIELCh color 11, 37.663, 293.634.

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

11, 37.640, 293.849

Protanopia

11, 24.534, 279.961

Deuteranopia

11, 17.717, 264.512



Tritanopia

11, 12.310, 203.449

Trichromacy



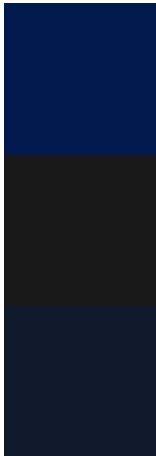
Original Color
11, 37.640, 293.849

Protanomaly
11, 29.296, 286.732

Deuteranomaly
11, 24.491, 280.396

Tritanomaly
11, 16.457, 262.404

Monochromacy



Original Color
11, 37.640, 293.849

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 14.388, 283.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 37.663, 293.634 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(2, 25, 77)` looks like.

```
.text, #text, p{  
    color:rgb(2, 25, 77)  
}
```

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(2, 25, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 25, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 37.663, 293.634 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(2, 25, 77) }
```

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

```
.border{ border-color:rgb(2, 25, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 25, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 25, 77); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 25, 77); box-shadow:4px  
4px 4px 4px rgb(2, 25, 77) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 37.663, 293.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 25, 77) }
```

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

```
.background{ background-color: rgb(2, 25,  
77) }
```

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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