

Converting Colors

CIELCh(18, 11.654, 293.995)

Have a look what the booklet for
CIELCh(18, 11.654, 293.995)
contains.

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Color

CIELCh(18, 11.793, 295.108)

Conversions

Conversions Part 1

Format	Color
Hex	2B2A3B
RGB	43, 42, 59
RGB Percent	17%, 16%, 23%
CMY	0.8301, 0.8341, 0.7673
CMYK	0.27, 0.29, 0.00, 0.77
HSL	244°, 17%, 20%
HSV	244°, 29%, 23%
XYZ	2.6470, 2.5180, 4.5296
YIQ	44.2370, -4.8610, 5.4990

Conversions

Conversions Part 2

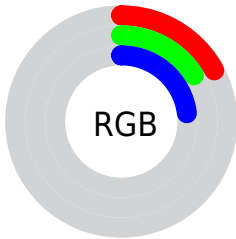
Format	Color
R_{YB}	43, 42, 59
Decimal	2828859
CIE Lab	18.00, 5.00, -10.68
CIE LCh	18, 11.793, 295.108
Yxy	2.5180, 0.2730, 0.2597
Android (android.graphics.Color)	4281018939 (0xFF2B2A3B)
YUV	44.2370, 7.2782, -1.0848
Hunter-Lab	15.8683, 2.0055, -5.8164

Details

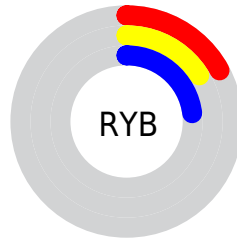
The CIELCh color **18, 11.793, 295.108** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 11.126, 110.340**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 11.762, 295.839**, and **1, 6.483, 287.727** is the 20% darker color. If you saturate the color by 10%, you get **16, 16.193, 296.277**, and if you desaturate by 10%, it is **20, 7.546, 294.083**.

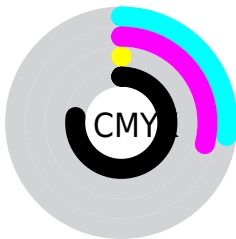
Distribution



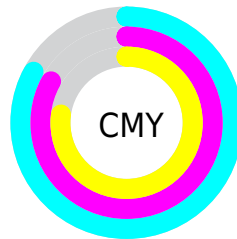
- Red (17%)
- Green (16%)
- Blue (23%)



- Red (17%)
- Yellow (16%)
- Blue (23%)



- Cyan (27%)
- Magenta (29%)
- Yellow (0%)
- Black (77%)



- Cyan (83%)
- Magenta (83%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 11.793, 295.108 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 18, 11.793, 295.108 by changing the saturation by 10% instead.

■ 18, 11.793,
295.108

■ 18, 11.793,
295.108

■ 100, 11.793,
295.108

■ 8, 11.793, 295.108

■ 38, 11.793,
295.108

■ 0, 11.793, 295.108

■ 48, 11.793,
295.108

■ 58, 11.793,
295.108

■ 68, 11.793,
295.108

■ 78, 11.793,
295.108

■ 88, 11.793,

295.108

98, 11.793,
295.108

18, 11.793,
295.108

18, 11.793,
295.108

16, 16.193,
296.277

20, 7.546, 294.083

13, 20.750,
297.601

23, 3.448, 293.192

25, 0.510, 112.373

11, 25.446,
299.074

28, 4.337, 111.726

8, 30.233, 300.667

30, 8.041, 111.136

6, 34.510, 301.732

33, 11.631,
110.620

5, 37.576, 301.801

■ 3, 40.306, 301.491

■ 35, 15.112,
110.167

■ 3, 40.646, 301.407

■ 37, 18.492,
109.769

■ 40, 21.775,
109.419

Harmonies

Complementary

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



18, 11.793, 295.108



24, 11.126, 110.340

Rectangle

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



18, 11.793, 295.108



18, 11.793, 345.108



18, 11.793, 115.108



18, 11.793, 165.108

Sweetspot

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



18, 11.792, 295.107



30, 4.424, 293.252



23, 6.834, 203.024



13, 3.020, 293.298



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



18, 11.792, 295.107



22, 17.495, 295.891



19, 12.433, 311.915



10, 2.262, 293.175



8, 64.243, 306.660



28, 120.174, 306.429

Inverse Universe

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



20, 13.298, 327.457



25, 19.455, 327.790



24, 12.064, 129.683



10, 2.626, 326.449



21, 53.467, 330.565



52, 99.259, 330.765

Previews

White Background



This preview shows how the CIE LCh color 18, 11.793, 295.108 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

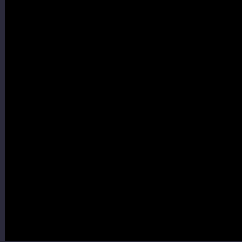
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 11.793, 295.108

Background



This preview shows how black text looks on a background with the CIELCh color 18, 11.793, 295.108.



This preview shows how white text looks on a background with the CIELCh color 18, 11.793, 295.108.

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

18, 11.793, 295.108

Protanopia

18, 11.817, 285.226

Deuteranopia

18, 11.097, 286.553



Tritanopia
18, 3.055, 264.417

Trichromacy



Original Color
18, 11.793, 295.108

Protanomaly
18, 11.754, 289.081

Deuteranomaly
18, 11.069, 288.636

Tritanomaly
18, 6.238, 287.698

Monochromacy



Original Color
18, 11.793, 295.108

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 4.141, 291.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 11.793, 295.108 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(43, 42, 59)` looks like.

```
.text, #text, p{  
    color:rgb(43, 42, 59)  
}
```

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(43, 42, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 42, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 11.793, 295.108 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(43, 42, 59) }
```

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

```
.border{ border-color:rgb(43, 42, 59) }
```

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

Here you see how a box with a 4 pixel rgb(43, 42, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 42, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 42, 59);  
box-shadow:4px 4px 4px 4px rgb(43, 42, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 11.793, 295.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 42, 59) }
```

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

```
.background{ background-color: rgb(43, 42,  
59) }
```

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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