

Converting Colors

YIQ(10.5890, -11.7840, 4.3120)

Have a look what the booklet for
YIQ(10.5890, -11.7840, 4.3120)
contains.

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Color

**YIQ(10.5890, -11.7840,
4.3120)**

Conversions

Conversions Part 1

Format	Color
Hex	020B1F
RGB	2, 11, 31
RGB Percent	1%, 4%, 12%
CMY	0.9922, 0.9568, 0.8785
CMYK	0.94, 0.64, 0.00, 0.88
HSL	221°, 88%, 6%
HSV	221°, 94%, 12%
XYZ	0.3918, 0.3512, 1.3424
YIQ	10.5890, -11.7840, 4.3120

Conversions

Conversions Part 2

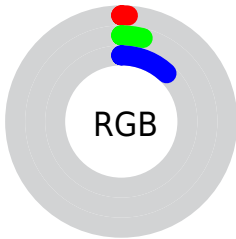
Format	Color
RYB	2, 9, 31
Decimal	133919
CIELab	3.17, 2.38, -13.15
CIELCh	3, 13.361, 280.254
Yxy	0.3512, 0.1879, 0.1684
Android (android.graphics.Color)	4278323999 (0xFF020B1F)
YUV	10.5890, 10.0626, -7.5326
Hunter-Lab	5.9260, 1.4324, -9.2823

Details

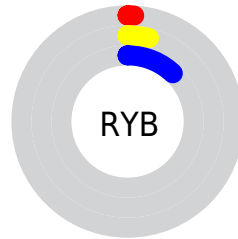
The YIQ color **10.5890, -11.7840, 4.3120** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **22.4110, 11.7840, -4.3120**, and the grayscale version is **10.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **54.8880, -11.1880, 4.5240**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **9.4040, -12.7010, 4.4110**, and if you desaturate by 10%, it is **12.6600, -10.5460, 3.9020**.

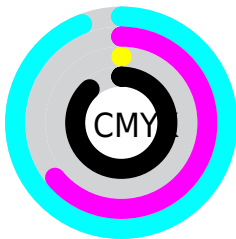
Distribution



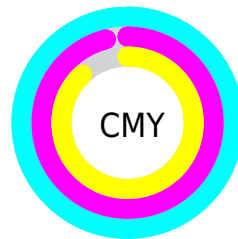
- Red (1%)
- Green (4%)
- Blue (12%)



- Red (1%)
- Yellow (4%)
- Blue (12%)



- Cyan (94%)
- Magenta (64%)
- Yellow (0%)
- Black (88%)



- Cyan (99%)
- Magenta (96%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 10.5890, -11.7840, 4.3120 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 YIQ color 10.5890, -11.7840, 4.3120 by changing the saturation by 10% instead.

■ 10.5890, -11.7840,
4.3120

■ 10.5890, -11.7840,
4.3120

■ 234.8880,
-11.1880, 4.5240

■ 0.3420, -0.9630,
0.9330

■ 54.8880, -11.1880,
4.5240

■ 0.0000, 0.0000,
0.0000

■ 78.0020, -11.5090,
4.8350

■ 102.1160,
-11.8300, 5.1460

■ 127.1160,
-11.8300, 5.1460

■ 153.2300,
-12.1510, 5.4570

■ 179.7570,

-12.1970, 6.2910

■ 207.4580,
-12.7930, 6.0790

■ 10.5890, -11.7840,
4.3120

■ 10.5890, -11.7840,
4.3120

■ 9.4040, -12.7010,
4.4110

■ 12.6600, -10.5460,
3.9020

■ 14.7310, -9.3080,
3.4920

■ 16.8020, -8.0700,
3.0820

■ 19.4600, -7.1070,
2.1490

■ 21.5310, -5.8690,
1.7390

■ 23.9010, -4.0350,
1.5410

■ 25.9720, -2.7970,
1.1310

■ 28.0430, -1.5590,
0.7210

■ 30.1140, -0.3210,
0.3110

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.2250, -13.7550, 1.4850



10.5890, -11.7840, 4.3120



12.5800, 1.6030, 9.4990

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



10.5890, -11.7840, 4.3120



11.0300, 17.6510, 5.0030



11.1530, -5.2250, -9.9370

Complementary

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



10.5890, -11.7840, 4.3120



22.4110, 11.7840, -4.3120

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



9.9790, -4.6750, -8.8910



10.5890, -11.7840, 4.3120



11.8720, 12.1040, 0.9040

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



10.5890, -11.7840, 4.3120



10.8390, 16.8710, 8.1270



11.2190, 3.5770, -4.2550



12.9770, -10.3610, -4.9610

Rectangle

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



10.5890, -11.7840, 4.3120



12.1570, 7.2880, 11.0960



11.2190, 3.5770, -4.2550



10.5660, -4.9500, -9.4140

Sweetspot

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



10.5890, -11.7840, 4.3120



32.7160, -4.9520, 1.6400



21.3030, -14.3950, -8.9470



15.5590, -3.0720, 0.6080



148.0000, -0.0000, 0.0000



20.0000, 0.0000, -0.0000

Same Dimension

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



10.5890, -11.7840, 4.3120



12.3050, -16.7360, 5.9520



6.8010, -6.3290, 10.0790



14.1140, -0.3210, 0.3110



23.6810, -32.2340, 11.4940



61.1660, -84.0470, 30.9050

Inverse Universe

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



11.6970, 14.3950, 8.9470



13.7410, 20.2630, 12.7350



26.1990, 6.3290, -10.0790



14.2990, 0.5960, 0.2120



26.4710, 39.0590, 24.5230



69.1890, 102.8280, 63.7880

Previews

White Background



This preview shows how the YIQ color 10.5890, -11.7840, 4.3120 looks on a white background.

Color Contrast Check

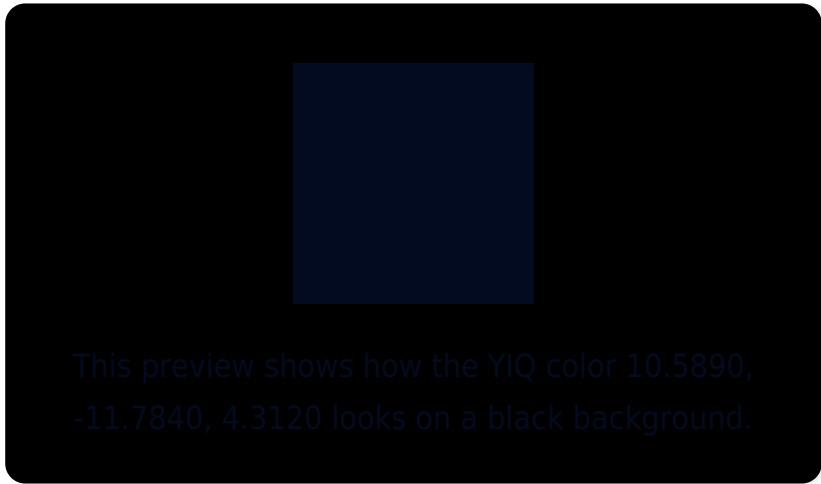
Large Text (above 18pt) WCAG AA ✓ Pass

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

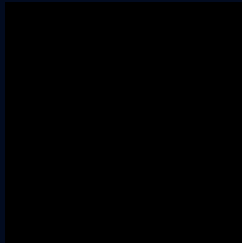
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 10.5890, -11.7840, 4.3120

Background



This preview shows how black text looks on a background with the YIQ color 10.5890, -11.7840, 4.3120.



This preview shows how white text looks on a background with the YIQ color 10.5890, -11.7840,

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

10.5890, -11.7840, 4.3120

Protanopia

10.0080, -11.6460, 1.8100

Deuteranopia

10.1390, -10.6370, 0.0430



Tritanopia

9.9280, -8.6650, -2.6570

Trichromacy



Original Color

10.5890, -11.7840, 4.3120

Protanomaly

10.5350, -11.6920, 2.6440

Deuteranomaly

10.1930, -10.7290, 1.7110

Tritanomaly

10.3240, -9.7200, -0.0560

Monochromacy



Original Color

10.5890, -11.7840, 4.3120

Achromatopsia

11.0000, -0.0000, -0.0000

Achromatomaly

10.9010, -4.0350, 1.5410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 10.5890, -11.7840, 4.3120 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, 11, 31)` looks like.

```
.text, #text, p{  
    color:rgb(2, 11, 31)  
}
```

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, 11, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 11, 31) }
```

Border

The CSS property to change the border of an element to YIQ 10.5890, -11.7840, 4.3120 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, 11, 31) }
```


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

```
.border{ border-color:rgb(2, 11, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 11, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 11, 31); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 11, 31); box-shadow:4px  
4px 4px 4px rgb(2, 11, 31) }
```

Background

The CSS property to change the background color of an element to YIQ 10.5890, -11.7840, 4.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 11, 31) }
```

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

```
.background{ background-color: rgb(2, 11,  
31) }
```

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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