

Converting Colors

YIQ(19.9820, -8.7570, -0.9890)

Have a look what the booklet for
YIQ(19.9820, -8.7570, -0.9890)
contains.

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Color

**YIQ(19.9820, -8.7570,
-0.9890)**

Conversions

Conversions Part 1

Format	Color
Hex	0B171C
RGB	11, 23, 28
RGB Percent	4%, 9%, 11%
CMY	0.9569, 0.9098, 0.8902
CMYK	0.61, 0.18, 0.00, 0.89
HSL	198°, 44%, 8%
HSV	198°, 61%, 11%
XYZ	0.6539, 0.7679, 1.2117
YIQ	19.9820, -8.7570, -0.9890

Conversions

Conversions Part 2

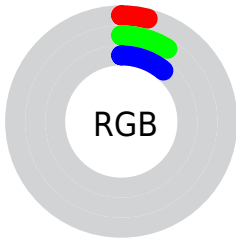
Format	Color
R_{YB}	11, 18, 28
Decimal	726812
CIE _{Lab}	6.94, -3.11, -5.11
CIE _{LCh}	7, 5.980, 238.651
Yxy	0.7679, 0.2483, 0.2916
Android (android.graphics.Color)	4278916892 (0xFF0B171C)
YUV	19.9820, 3.9529, -7.8772
Hunter-Lab	8.7629, -2.0152, -2.0646

Details

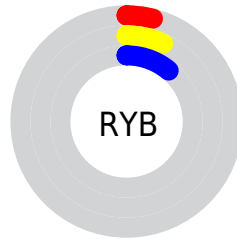
The YIQ color **19.9820, -8.7570, -0.9890** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **19.0180, 8.7570, 0.9890**, and the grayscale version is **20.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **62.3950, -8.4820, -0.4660**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **18.4980, -10.2700, -1.1020**, and if you desaturate by 10%, it is **21.4660, -7.2440, -0.8760**.

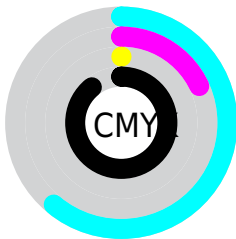
Distribution



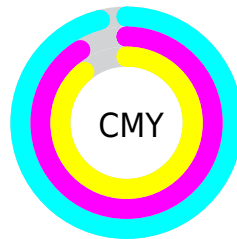
- Red (4%)
- Green (9%)
- Blue (11%)



- Red (4%)
- Yellow (7%)
- Blue (11%)



- Cyan (61%)
- Magenta (18%)
- Yellow (0%)
- Black (89%)



- Cyan (96%)
- Magenta (91%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 19.9820, -8.7570, -0.9890 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 19.9820, -8.7570, -0.9890 by changing the saturation by 10% instead.

■ 19.9820, -8.7570,
-0.9890

■ 19.9820, -8.7570,
-0.9890

■ 244.9110, -9.9950,
-0.5790

■ 0.0000, 0.0000,
0.0000

■ 62.3950, -8.4820,
-0.4660

■ 86.0960, -9.0780,
-0.6780

■ 110.2100, -9.3990,
-0.3670

■ 135.7970, -9.6740,
-0.8900

■ 161.9110, -9.9950,
-0.5790

■ 188.9110, -9.9950,

-0.5790

■ 216.6120,
-10.5910, -0.7910

■ 19.9820, -8.7570,
-0.9890

■ 19.9820, -8.7570,
-0.9890

■ 18.4980, -10.2700,
-1.1020

■ 21.4660, -7.2440,
-0.8760

■ 17.0140, -11.7830,
-1.2150

■ 22.9500, -5.7310,
-0.7630

■ 16.4160, -12.9750,
-1.6390

■ 23.5480, -4.5390,
-0.3390

■ 14.9320, -14.4880,
-1.7520

■ 25.0320, -3.0260,
-0.2260

■ 26.5160, -1.5130,
-0.1130

■ 28.0000, -0.0000,
0.0000

■ 29.4840, 1.5130,
0.1130

■ 30.6690, 2.4300,
0.0140

■ 31.5660, 4.2180,
0.6500

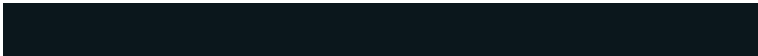
Harmonies

Analogous

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



19.3300, -9.8570, -3.0810



19.9820, -8.7570, -0.9890



21.0040, -5.8230, 0.9050

Triad

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



19.9820, -8.7570, -0.9890



21.7450, 5.2720, 3.5760



20.2620, 2.0180, -3.5340

Complementary

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



19.9820, -8.7570, -0.9890



19.0180, 8.7570, 0.9890

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.



21.0560, 5.5940, -2.2620



19.9820, -8.7570, -0.9890



22.0610, 7.1980, 1.7100

Square

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



19.9820, -8.7570, -0.9890



21.8910, 1.9250, 3.6610



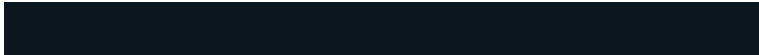
21.5940, 7.0150, -0.4810



19.8100, -2.5210, -3.8730

Rectangle

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



19.9820, -8.7570, -0.9890



21.6130, -3.1640, 2.2760



21.5940, 7.0150, -0.4810



20.7460, 3.5310, -3.4210

Sweetspot

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



19.9820, -8.7570, -0.9890



32.7330, -3.6220, -0.4380



21.5490, -6.2800, -7.3360



16.2170, -2.1090, -0.3250



145.0000, 0.0000, -0.0000



18.0000, -0.0000, 0.0000

Same Dimension

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



19.9820, -8.7570, -0.9890



23.5300, -13.2960, -1.3280



15.2860, -6.5570, 3.1950



11.8150, -0.9170, 0.0990



40.4760, -39.5670, -4.2950



107.7840, -105.0840, -11.8680

Inverse Universe

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



17.4510, 6.2800, 7.3360



19.8260, 9.7180, 11.1100



23.7140, 6.5570, -3.1950



11.7120, 0.8710, 0.7350



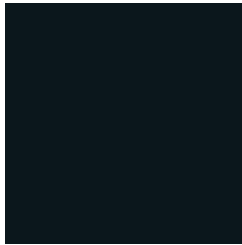
29.1790, 28.5580, 33.1180



77.4120, 75.3600, 88.0320

Previews

White Background



This preview shows how the YIQ color 19.9820, -8.7570, -0.9890 looks on a white background.

Color Contrast Check

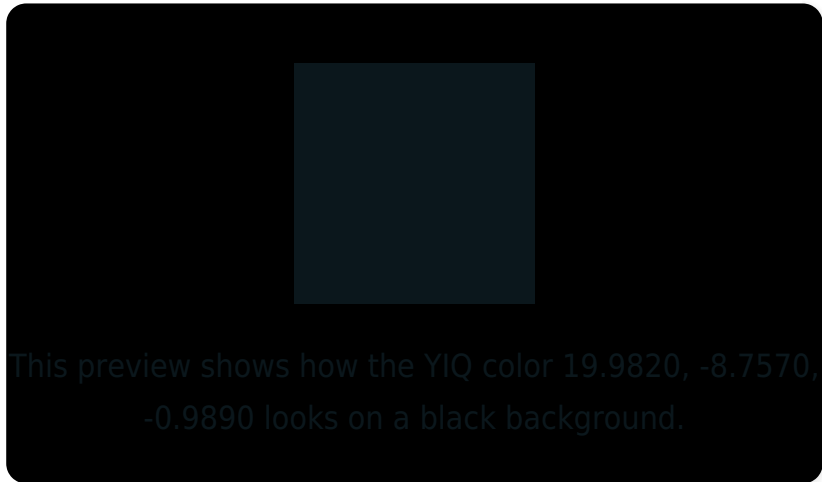
Large Text (above 18pt) WCAG AA ✓ Pass

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

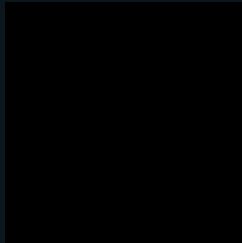
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

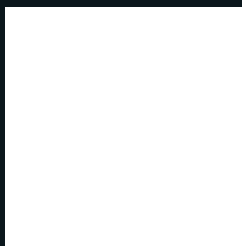
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 19.9820, -8.7570, -0.9890

Background



This preview shows how black text looks on a background with the YIQ color 19.9820, -8.7570, -0.9890.



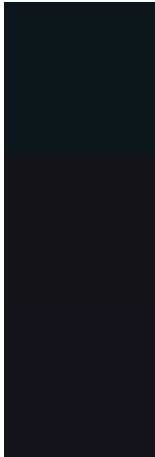
This preview shows how white text looks on a background with the YIQ color 19.9820, -8.7570,

-0.9890.

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

19.9820, -8.7570, -0.9890

Protanopia

21.3850, -2.5220, 1.6540

Deuteranopia

21.4990, -2.8430, 1.9650



Tritanopia

19.3410, -8.3900, -2.1340

Trichromacy



Original Color

19.9820, -8.7570, -0.9890

Protanomaly

21.0750, -4.5850, 0.4950

Deuteranomaly

21.1890, -4.9060, 0.8060

Tritanomaly

19.4550, -8.7110, -1.8230

Monochromacy



Original Color

19.9820, -8.7570, -0.9890

Achromatopsia

20.0000, 0.0000, -0.0000

Achromatomaly

20.0320, -3.0260, -0.2260

CSS Examples

Text

The CSS property to change the color of the text to YIQ 19.9820, -8.7570, -0.9890 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(11, 23, 28)` looks like.

```
.text, #text, p{  
    color:rgb(11, 23, 28)  
}
```

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(11, 23, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 23, 28) }
```

Border

The CSS property to change the border of an element to YIQ 19.9820, -8.7570, -0.9890 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(11, 23, 28) }
```


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

```
.border{ border-color:rgb(11, 23, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 23, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 23, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 23, 28);  
box-shadow:4px 4px 4px 4px rgb(11, 23, 28)  
}
```

Background

The CSS property to change the background color of an element to YIQ 19.9820, -8.7570, -0.9890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 23, 28) }
```

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

```
.background{ background-color: rgb(11, 23,  
28) }
```

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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