

Converting Colors

YIQ(21.5980, -16.0030, 9.1890)

Have a look what the booklet for
YIQ(21.5980, -16.0030, 9.1890)
contains.

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Color

**YIQ(21.5980, -16.0030,
9.1890)**

Conversions

Conversions Part 1

Format	Color
Hex	0C1437
RGB	12, 20, 55
RGB Percent	5%, 8%, 22%
CMY	0.9529, 0.9216, 0.7844
CMYK	0.78, 0.64, 0.00, 0.78
HSL	229°, 64%, 13%
HSV	229°, 78%, 22%
XYZ	1.0909, 0.8542, 3.7189
YIQ	21.5980, -16.0030, 9.1890

Conversions

Conversions Part 2

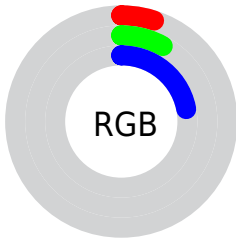
Format	Color
RYB	12, 19, 55
Decimal	791607
CIELab	7.72, 10.56, -24.00
CIElCh	8, 26.221, 293.749
Yxy	0.8542, 0.1926, 0.1508
Android (android.graphics.Color)	4278981687 (0xFF0C1437)
YUV	21.5980, 16.4672, -8.4174
Hunter-Lab	9.2424, 4.8943, -17.3872

Details

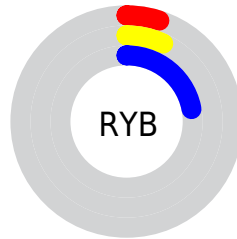
The YIQ color **21.5980, -16.0030, 9.1890** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **45.4020, 16.0030, -9.1890**, and the grayscale version is **21.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **65.9620, -14.0320, 12.0160**, and **0.7980, -2.2470, 2.1770** is the 20% darker color. If you saturate the color by 10%, you get **17.7550, -17.8830, 10.2210**, and if you desaturate by 10%, it is **25.7400, -13.5270, 8.3690**.

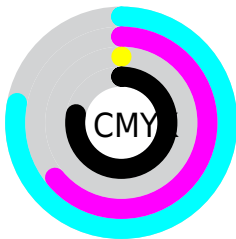
Distribution



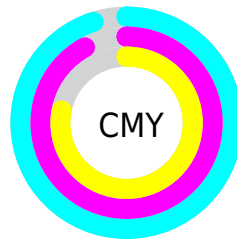
- Red (5%)
- Green (8%)
- Blue (22%)



- Red (5%)
- Yellow (7%)
- Blue (22%)



- Cyan (78%)
- Magenta (64%)
- Yellow (0%)
- Black (78%)



- Cyan (95%)
- Magenta (92%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 21.5980, -16.0030, 9.1890 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 21.5980, -16.0030, 9.1890 by changing the saturation by 10% instead.

■ 21.5980, -16.0030,
9.1890

■ 21.5980, -16.0030,
9.1890

■ 245.8520, -2.3390,
3.8450

■ 4.3490, -10.8680,
9.7400

■ 65.9620, -14.0320,
12.0160

■ 0.7980, -2.2470,
2.1770

■ 89.4890, -14.0780,
12.8500

■ 0.0000, 0.0000,
0.0000

■ 114.1300,
-14.4450, 13.9950

■ 139.5430,
-14.1700, 14.5180

■ 166.6570,
-14.4910, 14.8290

■ 193.7710,

-14.8120, 15.1400

■ 220.1580,
-11.6480, 12.8640

■ 21.5980, -16.0030,
9.1890

■ 21.5980, -16.0030,
9.1890

■ 17.7550, -17.8830,
10.2210

■ 25.7400, -13.5270,
8.3690

■ 13.0260, -20.0840,
11.5640

■ 30.1700, -11.9220,
6.8140

■ 12.1400, -20.4050,
11.8750

■ 34.0130, -10.0420,
5.7820

■ 38.7420, -7.8410,
4.4390

■ 42.5850, -5.9610,
3.4070

■ 47.3140, -3.7600,
2.0640

■ 51.1570, -1.8800,
1.0320

■ 55.8860, 0.3210,
-0.3110

■ 59.7290, 2.2010,
-1.3430

Harmonies

Analogous

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



21.8740, -25.7680, 4.4400



21.5980, -16.0030, 9.1890



23.4330, 6.6910, 16.4110

Triad

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



21.5980, -16.0030, 9.1890



21.3850, 23.8410, 2.9530



20.8360, -14.5780, -11.1380

Complementary

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



21.5980, -16.0030, 9.1890



45.4020, 16.0030, -9.1890

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.



17.6100, -8.2500, -15.6900



21.5980, -16.0030, 9.1890



22.1940, 13.8930, -3.9870

Square

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



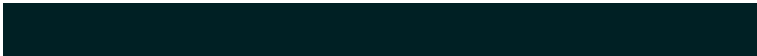
21.5980, -16.0030, 9.1890



18.6510, 29.2040, 10.3880



20.3340, 1.5150, -10.9410



22.8880, -20.3560, -5.5400

Rectangle

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



21.5980, -16.0030, 9.1890



21.3480, 17.2360, 18.0360



20.3340, 1.5150, -10.9410



19.8100, -11.6890, -13.9370

Sweetspot

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



21.5980, -16.0030, 9.1890



58.5850, -5.9610, 3.4070



41.1170, -22.7390, -11.9150



28.3140, -3.7600, 2.0640



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

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



21.5980, -16.0030, 9.1890



19.2690, -25.0820, 14.0380



20.7890, -6.0550, 16.1290



25.9290, -1.2380, 0.4100



20.4670, -34.2070, 19.7210



49.0330, -81.5740, 46.6660

Inverse Universe

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



25.7690, 23.0600, 11.6040



25.5150, 35.7590, 18.2470



46.2110, 6.0550, -16.1290



26.0110, 1.4670, 0.9470



29.4460, 49.3750, 24.7910



70.1550, 117.3630, 59.1790

Previews

White Background



This preview shows how the YIQ color 21.5980, -16.0030, 9.1890 looks on a white background.

Color Contrast Check

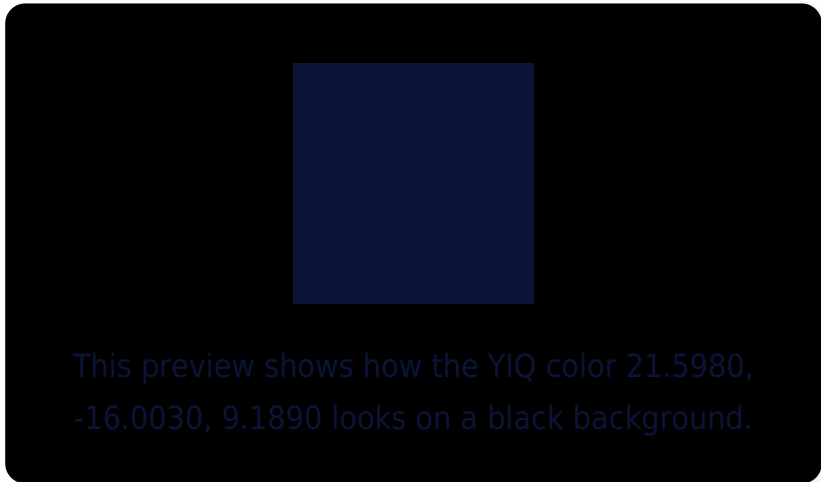
Large Text (above 18pt) WCAG AA ✓ Pass

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

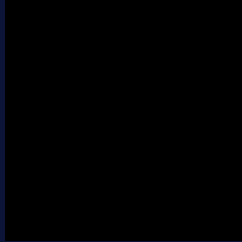
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 21.5980, -16.0030, 9.1890

Background



This preview shows how black text looks on a background with the YIQ color 21.5980, -16.0030, 9.1890.



This preview shows how white text looks on a background with the YIQ color 21.5980, -16.0030,

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

21.5980, -16.0030, 9.1890

Protanopia

18.9730, -21.7330, 2.8990

Deuteranopia

18.7620, -19.7610, 0.1990



Tritanopia

18.4540, -16.1380, -4.8900

Trichromacy



Original Color

21.5980, -16.0030, 9.1890

Protanomaly

19.9240, -20.0370, 5.2030

Deuteranomaly

19.9410, -18.7070, 3.1250

Tritanomaly

19.6160, -16.4140, 0.1140

Monochromacy



Original Color

21.5980, -16.0030, 9.1890

Achromatopsia

22.0000, -0.0000, -0.0000

Achromatomaly

21.5850, -5.9610, 3.4070

CSS Examples

Text

The CSS property to change the color of the text to YIQ 21.5980, -16.0030, 9.1890 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, 20, 55)` looks like.

```
.text, #text, p{  
    color:rgb(12, 20, 55)  
}
```

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, 20, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 20, 55) }
```

Border

The CSS property to change the border of an element to YIQ 21.5980, -16.0030, 9.1890 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, 20, 55) }
```


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

```
.border{ border-color:rgb(12, 20, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 20, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 20, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 20, 55);  
box-shadow:4px 4px 4px 4px rgb(12, 20, 55)  
}
```

Background

The CSS property to change the background color of an element to YIQ 21.5980, -16.0030, 9.1890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 20, 55) }
```

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

```
.background{ background-color: rgb(12, 20,  
55) }
```

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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