

Converting Colors

YIQ(18.6310, -20.7700, 1.9660)

Have a look what the booklet for
YIQ(18.6310, -20.7700, 1.9660)
contains.

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Color

**YIQ(18.6310, -20.7700,
1.9660)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 00172D |
| RGB | 0, 23, 45 |
| RGB Percent | 0%, 9%, 18% |
| CMY | 1.0000, 0.9098, 0.8236 |
| CMYK | 1.00, 0.49, 0.00, 0.82 |
| HSL | 209°, 100%, 9% |
| HSV | 209°, 100%, 18% |
| XYZ | 0.7798, 0.8024, 2.5939 |
| YIQ | 18.6310, -20.7700, 1.9660 |

Conversions

Conversions Part 2

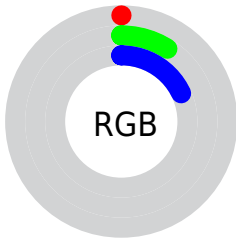
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 15, 45 |
| Decimal | 5933 |
| CIELab | 7.25, 0.70, -17.46 |
| CIELCh | 7, 17.478, 272.291 |
| Yxy | 0.8024, 0.1867, 0.1922 |
| Android (android.graphics.Color) | 4278196013 (0xFF00172D) |
| YUV | 18.6310, 12.9999, -16.3394 |
| Hunter-Lab | 8.9579, -0.1386, -10.8974 |

Details

The YIQ color **18.6310, -20.7700, 1.9660** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **26.3690, 20.7700, -1.9660**, and the grayscale version is **19.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **62.5820, -19.0740, 4.2700**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **18.6310, -20.7700, 1.9660**, and if you desaturate by 10%, it is **21.0010, -18.9360, 1.7680**.

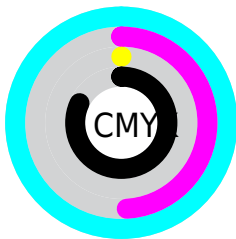
Distribution



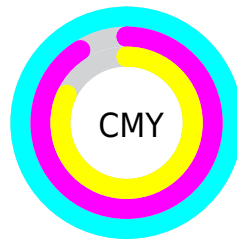
- Red (0%)
- Green (9%)
- Blue (18%)



- Red (0%)
- Yellow (6%)
- Blue (18%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (82%)



- Cyan (100%)
- Magenta (91%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 18.6310, -20.7700, 1.9660 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 18.6310, -20.7700, 1.9660 by changing the saturation by 10% instead.

■ 18.6310, -20.7700,
1.9660

■ 18.6310, -20.7700,
1.9660

■ 243.4160,
-12.9750, -1.6390

■ 3.3230, -7.9790,
6.9410

■ 62.5820, -19.0740,
4.2700

■ 0.0000, 0.0000,
0.0000

■ 86.6960, -19.3950,
4.5810


■ 111.1090,
-19.1200, 5.1040


■ 136.3370,
-19.7620, 5.7260


■ 163.0380,
-20.3580, 5.5140


■ 190.1520,


-20.6790, 5.8250


 218.1520,
-20.6790, 5.8250


 18.6310, -20.7700,
1.9660

 21.0010, -18.9360,
1.7680

 23.6700, -16.5060,
1.7820

 26.6270, -14.9470,
1.0610

 29.2960, -12.5170,
1.0750

 31.6660, -10.6830,
0.8770

■ 34.3350, -8.2530,
0.8910

■ 36.7050, -6.4190,
0.6930

■ 39.9610, -4.2640,
0.1840

■ 42.3310, -2.4300,
-0.0140

Harmonies

Analogous

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



20.0500, -20.6320, -0.5360



18.6310, -20.7700, 1.9660



23.1170, -4.4030, 8.2130

Triad

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



18.6310, -20.7700, 1.9660



20.9440, 20.7690, 3.5610



17.1200, -9.6260, -12.7780

Complementary

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



18.6310, -20.7700, 1.9660



26.3690, 20.7700, -1.9660

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.



19.4590, 2.6610, -9.6830



18.6310, -20.7700, 1.9660



21.3410, 17.9730, -0.8350

Square

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



18.6310, -20.7700, 1.9660



21.8220, 15.5410, 10.2050



21.2860, 10.6380, -5.5700



19.6450, -15.3580, -8.0140

Rectangle

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



18.6310, -20.7700, 1.9660



22.7760, 3.9870, 10.3470



21.2860, 10.6380, -5.5700



16.7460, -5.6370, -13.4850

Sweetspot

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



18.6310, -20.7700, 1.9660



48.3350, -8.2530, 0.8910



28.9230, -19.4370, -16.6930



24.1890, -4.9060, 0.8060



158.0000, -0.0000, 0.0000



31.0000, -0.0000, -0.0000

Same Dimension

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



18.6310, -20.7700, 1.9660



24.3360, -27.1890, 2.6590



5.7170, -14.7200, 13.4720



21.8150, -0.9170, 0.0990



35.7460, -40.0270, 4.0450



88.9660, -98.9440, 9.0240

Inverse Universe

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



16.0770, 19.4370, 16.6930



21.0610, 25.5340, 21.8380



39.2830, 14.7200, -13.4720



21.7120, 0.8710, 0.7350



31.0290, 37.7280, 32.1280



76.5260, 92.2340, 79.5780

Previews

White Background



This preview shows how the YIQ color 18.6310, -20.7700, 1.9660 looks on a white background.

Color Contrast Check

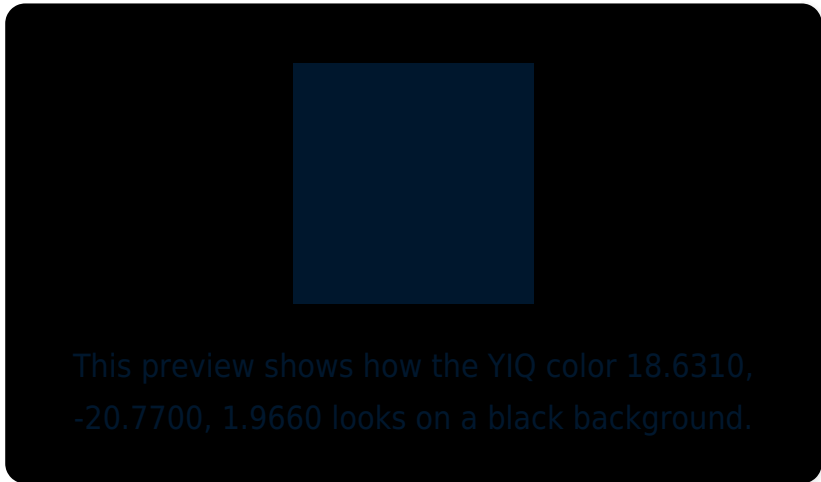
Large Text (above 18pt) WCAG AA ✓ Pass

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

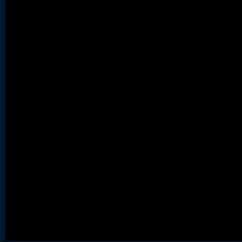
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 18.6310, -20.7700, 1.9660

Background



This preview shows how black text looks on a background with the YIQ color 18.6310, -20.7700, 1.9660.



This preview shows how white text looks on a background with the YIQ color 18.6310, -20.7700,

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

18.6310, -20.7700, 1.9660

Protanopia

21.2190, -13.6180, 4.5100

Deuteranopia

18.7620, -19.7610, 0.1990



Tritanopia

18.4540, -16.1380, -4.8900

Trichromacy



Original Color

18.6310, -20.7700, 1.9660

Protanomaly

20.0230, -16.0020, 3.6620

Deuteranomaly

18.8760, -20.0820, 0.5100

Tritanomaly

18.5510, -17.7890, -2.5010

Monochromacy



Original Color

18.6310, -20.7700, 1.9660

Achromatopsia

19.0000, -0.0000, -0.0000

Achromatomaly

18.5200, -7.3360, 0.7920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 18.6310, -20.7700, 1.9660 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(0, 23, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 23, 45)  
}
```

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(0, 23, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 23, 45) }
```

Border

The CSS property to change the border of an element to YIQ 18.6310, -20.7700, 1.9660 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(0, 23, 45) }
```


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

```
.border{ border-color:rgb(0, 23, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 23, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 23, 45); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 23, 45); box-shadow:4px  
4px 4px 4px rgb(0, 23, 45) }
```

Background

The CSS property to change the background color of an element to YIQ 18.6310, -20.7700, 1.9660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 23, 45) }
```

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

```
.background{ background-color: rgb(0, 23,  
45) }
```

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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