

Converting Colors

YIQ(17.9930, -23.3440, 37.6160)

Have a look what the booklet for
YIQ(17.9930, -23.3440, 37.6160)
contains.

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Color

**YIQ(17.9930, -23.3440,
37.6160)**

Conversions

Conversions Part 1

Format	Color
Hex	13006C
RGB	19, 0, 108
RGB Percent	7%, 0%, 42%
CMY	0.9253, 1.0000, 0.5766
CMYK	0.82, 1.00, 0.00, 0.58
HSL	251°, 100%, 21%
HSV	251°, 100%, 42%
XYZ	2.9735, 1.2205, 14.2537
YIQ	17.9930, -23.3440, 37.6160

Conversions

Conversions Part 2

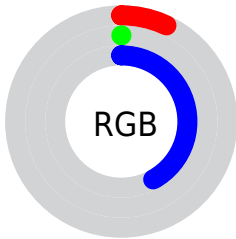
Format	Color
RYB	19, 0, 108
Decimal	1245292
CIELab	10.71, 42.43, -55.50
CIELCh	11, 69.863, 307.396
Yxy	1.2205, 0.1612, 0.0662
Android (android.graphics.Color)	4279435372 (0xFF13006C)
YUV	17.9930, 44.3735, 0.8831
Hunter-Lab	11.0476, 28.7108, -68.7632

Details

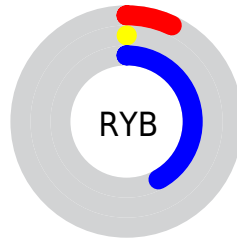
The YIQ color **17.9930, -23.3440, 37.6160** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **90.0070, 23.3440, -37.6160**, and the grayscale version is **18.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **71.3470, -15.4130, 42.5630**, and **9.0740, -20.0390, 16.2570** is the 20% darker color. If you saturate the color by 10%, you get **17.9930, -23.3440, 37.6160**, and if you desaturate by 10%, it is **27.1410, -21.0050, 33.7710**.

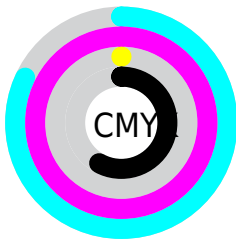
Distribution



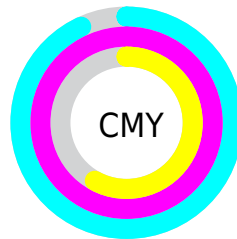
- Red (7%)
- Green (0%)
- Blue (42%)



- Red (7%)
- Yellow (0%)
- Blue (42%)



- Cyan (82%)
- Magenta (100%)
- Yellow (0%)
- Black (58%)



- Cyan (93%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 17.9930, -23.3440, 37.6160 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 17.9930, -23.3440, 37.6160 by changing the saturation by 10% instead.

■ 17.9930, -23.3440,
37.6160

■ 17.9930, -23.3440,
37.6160

■ 241.4990, 6.3250,
12.0290

■ 9.4620, -26.6430,
25.8130

■ 71.3470, -15.4130,
42.5630

■ 9.0740, -20.0390,
16.2570

■ 96.8850, -13.9920,
44.3440

■ 5.2780, -12.1060,
10.1500

■ 123.1240,
-13.1670, 45.9130

■ 1.3680, -3.8520,
3.7320

■ 150.0640,
-12.9380, 47.2700

■ 0.0000, 0.0000,
0.0000

■ 175.1370, -6.0140,
42.9300

■ 199.6570, 3.8450,

34.9570

■ 225.0630, 14.0250,
26.6730

■ 17.9930, -23.3440,
37.6160

■ 27.1410, -21.0050,
33.7710

■ 36.2890, -18.6660,
29.9260

■ 44.8500, -16.0520,
26.6040

■ 53.9980, -13.7130,
22.7590

■ 62.8470, -11.9700,
18.7020

■ 71.9950, -9.6310,
14.8570

■ 81.1430, -7.2920,
11.0120

■ 89.7040, -4.6780,
7.6900

■ 98.8520, -2.3390,
3.8450

Harmonies

Analogous

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



35.8380, -51.3090, 21.2910



17.9930, -23.3440, 37.6160



33.9500, 30.9410, 39.4930

Triad

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



17.9930, -23.3440, 37.6160



22.6580, 36.4940, 10.4300



29.8010, -24.6650, -10.0490

Complementary

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



17.9930, -23.3440, 37.6160



90.0070, 23.3440, -37.6160

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.



24.6540, -11.5500, -21.9660



17.9930, -23.3440, 37.6160



26.8570, 7.2920, -11.0120

Square

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



17.9930, -23.3440, 37.6160



27.2090, 54.2360, 19.2920



24.0670, -11.2750, -21.4430



37.0340, -40.8980, 3.3100

Rectangle

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



17.9930, -23.3440, 37.6160



34.3030, 48.6400, 32.6080



24.0670, -11.2750, -21.4430



27.2760, -18.9330, -14.8130

Sweetspot

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



17.9930, -23.3440, 37.6160



105.1800, -8.7140, 14.7580



65.1420, -59.4180, -13.4820



50.0460, -5.6410, 8.6230



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



17.9930, -23.3440, 37.6160



23.4350, -30.0400, 48.8400



33.8400, 8.2440, 48.8520



48.9830, -1.3300, 2.0780



19.6170, -25.0410, 40.8390



40.7870, -53.0170, 85.3110

Inverse Universe

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



42.4380, 35.7990, 50.5750



55.0840, 46.2040, 65.7560



74.1600, -8.2440, -48.8520



50.3640, 1.9710, 2.8270



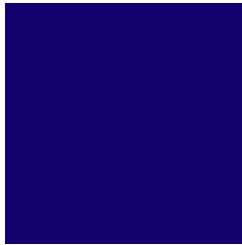
46.0410, 38.5950, 54.9710



96.2830, 81.1780, 114.7620

Previews

White Background



This preview shows how the YIQ color 17.9930, -23.3440, 37.6160 looks on a white background.

Color Contrast Check

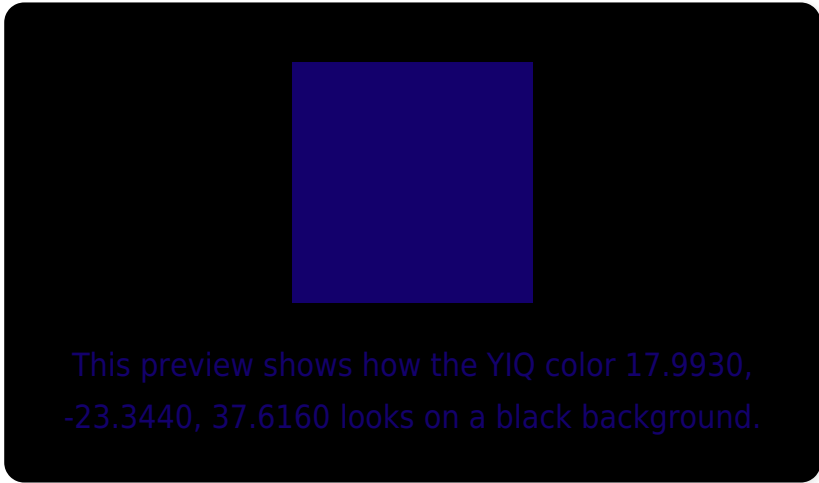
Large Text (above 18pt) WCAG AA ✓ Pass

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

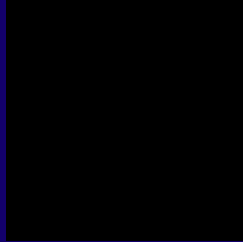
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 17.9930, -23.3440, 37.6160

Background



This preview shows how black text looks on a background with the YIQ color 17.9930, -23.3440, 37.6160.



This preview shows how white text looks on a background with the YIQ color 17.9930, -23.3440,

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

17.9930, -23.3440, 37.6160

Protanopia

26.5360, -30.6280, 4.4120

Deuteranopia

27.1570, -28.2430, -0.2670



Tritanopia

26.1650, -22.6940, -7.2220

Trichromacy



Original Color

17.9930, -23.3440, 37.6160

Protanomaly

23.2950, -27.9710, 16.8370

Deuteranomaly

23.6710, -26.2740, 13.6140

Tritanomaly

23.4770, -22.9720, 8.8360

Monochromacy



Original Color

17.9930, -23.3440, 37.6160

Achromatopsia

18.0000, -0.0000, 0.0000

Achromatomaly

17.6530, -8.6680, 13.9240

CSS Examples

Text

The CSS property to change the color of the text to YIQ 17.9930, -23.3440, 37.6160 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(19, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(19, 0, 108)  
}
```

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(19, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 0, 108) }
```

Border

The CSS property to change the border of an element to YIQ 17.9930, -23.3440, 37.6160 is called "border". The border property can be set on classes, ids or directly on the HTML element.

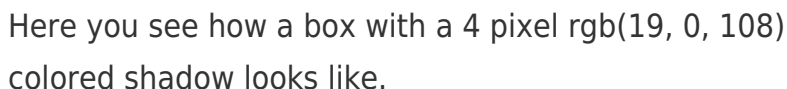
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(19, 0, 108) }
```


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

```
.border{ border-color:rgb(19, 0, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(19, 0, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(19, 0, 108)  
}
```

Background

The CSS property to change the background color of an element to YIQ 17.9930, -23.3440, 37.6160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 0, 108) }
```

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

```
.background{ background-color: rgb(19, 0,  
108) }
```

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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