

Converting Colors

YIQ(31.1830, -21.9640, 12.5960)

Have a look what the booklet for
YIQ(31.1830, -21.9640, 12.5960)
contains.

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Color

**YIQ(31.1830, -21.9640,
12.5960)**

Conversions

Conversions Part 1

Format	Color
Hex	121D4D
RGB	18, 29, 77
RGB Percent	7%, 11%, 30%
CMY	0.9294, 0.8863, 0.6982
CMYK	0.77, 0.62, 0.00, 0.70
HSL	229°, 62%, 19%
HSV	229°, 77%, 30%
XYZ	2.0274, 1.5429, 7.2063
YIQ	31.1830, -21.9640, 12.5960

Conversions

Conversions Part 2

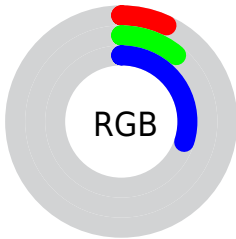
Format	Color
RYB	18, 27, 77
Decimal	1187149
CIELab	12.88, 14.19, -31.11
CIELCh	13, 34.192, 294.519
Yxy	1.5429, 0.1881, 0.1432
Android (android.graphics.Color)	4279377229 (0xFF121D4D)
YUV	31.1830, 22.5878, -11.5615
Hunter-Lab	12.4215, 7.3963, -25.7016

Details

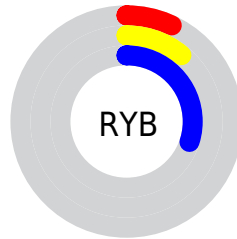
The YIQ color **31.1830, -21.9640, 12.5960** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **63.8170, 21.9640, -12.5960**, and the grayscale version is **31.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **77.6720, -18.8470, 16.6810**, and **4.8220, -10.8220, 8.9060** is the 20% darker color. If you saturate the color by 10%, you get **25.2690, -25.0820, 14.0380**, and if you desaturate by 10%, it is **37.0970, -18.8460, 11.1540**.

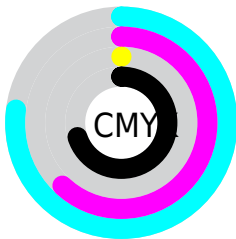
Distribution



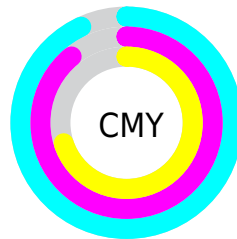
- Red (7%)
- Green (11%)
- Blue (30%)



- Red (7%)
- Yellow (11%)
- Blue (30%)



- Cyan (77%)
- Magenta (62%)
- Yellow (0%)
- Black (70%)



- Cyan (93%)
- Magenta (89%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 31.1830, -21.9640, 12.5960 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 31.1830, -21.9640, 12.5960 by changing the saturation by 10% instead.

■ 31.1830, -21.9640,
12.5960

■ 31.1830, -21.9640,
12.5960

■ 255.0000, -0.0000,
-0.0000

■ 8.5040, -18.4340,
14.7020

■ 77.6720, -18.8470,
16.6810

■ 4.8220, -10.8220,
8.9060

■ 102.1990,
-18.8930, 17.5150

■ 0.4560, -1.2840,
1.2440

■ 127.7260,
-18.9390, 18.3490

■ 0.0000, 0.0000,
0.0000

■ 153.5520,
-18.3890, 19.3950

■ 180.7800,
-19.0310, 20.0170

■ 207.1670,

-15.8670, 17.7410

231.9750, -6.8790,
9.0330

31.1830, -21.9640,
12.5960

31.1830, -21.9640,
12.5960

25.2690, -25.0820,
14.0380

37.0970, -18.8460,
11.1540

19.0670, -27.3290,
16.2150

43.2990, -16.5990,
8.9770

16.9960, -28.5670,
16.6250

49.2130, -13.4810,
7.5350

55.1270, -10.3630,
6.0930

60.7420, -7.8410,
4.4390

■ 67.2430, -4.9980,
2.4740

■ 73.1570, -1.8800,
1.0320

■ 79.0710, 1.2380,
-0.4100

■ 84.6860, 3.7600,
-2.0640

Harmonies

Analogous

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



31.5400, -36.4510, 5.3170



31.1830, -21.9640, 12.5960



32.8020, 10.2660, 23.2100

Triad

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



31.1830, -21.9640, 12.5960



30.5770, 32.0480, 2.8960



28.4330, -20.8130, -13.7810

Complementary

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



31.1830, -21.9640, 12.5960



63.8170, 21.9640, -12.5960

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.



24.0670, -11.2750, -21.4430



31.1830, -21.9640, 12.5960



31.9510, 18.8910, -6.4610

Square

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



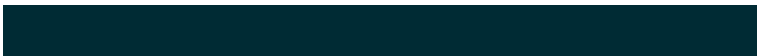
31.1830, -21.9640, 12.5960



26.3580, 37.6390, 17.2150



29.4820, 3.8540, -14.7860



31.1690, -28.5170, -6.3170

Rectangle

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



31.1830, -21.9640, 12.5960



28.0380, 24.3410, 26.9410



29.4820, 3.8540, -14.7860



27.5210, -18.2450, -16.2690

Sweetspot

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



31.1830, -21.9640, 12.5960



81.8560, -8.1620, 4.7500



57.9910, -31.3120, -16.2400



39.7700, -5.0440, 3.3080



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

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



31.1830, -21.9640, 12.5960



28.3530, -33.8860, 19.4100



30.1080, -8.2110, 22.1650



35.0430, -1.5590, 0.7210



22.7810, -37.9670, 21.7850



51.4610, -85.6550, 49.0410

Inverse Universe

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



36.8950, 31.6330, 15.9290



37.1470, 48.7790, 24.5790



64.8920, 8.2110, -22.1650



35.3100, 2.0630, 1.1590



32.6640, 54.6930, 27.5330



73.6720, 123.2770, 62.1330

Previews

White Background



This preview shows how the YIQ color 31.1830, -21.9640, 12.5960 looks on a white background.

Color Contrast Check

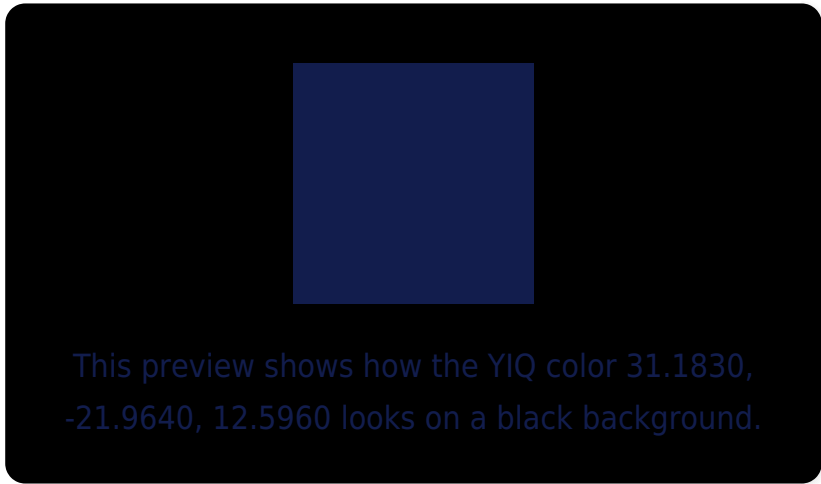
Large Text (above 18pt) WCAG AA ✓ Pass

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

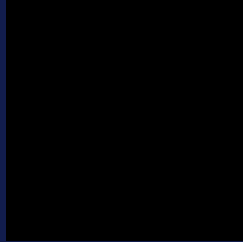
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.1830, -21.9640, 12.5960

Background



This preview shows how black text looks on a background with the YIQ color 31.1830, -21.9640, 12.5960.



This preview shows how white text looks on a background with the YIQ color 31.1830, -21.9640,

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

31.1830, -21.9640, 12.5960

Protanopia

27.2370, -31.2240, 4.2000

Deuteranopia

27.2710, -28.5640, 0.0440



Tritanopia

26.8660, -23.2900, -7.4340

Trichromacy



Original Color

31.1830, -21.9640, 12.5960

Protanomaly

29.0850, -27.7400, 7.1400

Deuteranomaly

28.9880, -26.0890, 4.7510

Tritanomaly

28.6800, -22.4660, -0.3380

Monochromacy



Original Color

31.1830, -21.9640, 12.5960

Achromatopsia

31.0000, -0.0000, -0.0000

Achromatomaly

30.8560, -8.1620, 4.7500

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.1830, -21.9640, 12.5960 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(18, 29, 77)` looks like.

```
.text, #text, p{  
    color:rgb(18, 29, 77)  
}
```

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(18, 29, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 29, 77) }
```

Border

The CSS property to change the border of an element to YIQ 31.1830, -21.9640, 12.5960 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(18, 29, 77) }
```


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

```
.border{ border-color:rgb(18, 29, 77) }
```

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

Here you see how a box with a 4 pixel rgb(18, 29, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 29, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 29, 77);  
box-shadow:4px 4px 4px 4px rgb(18, 29, 77)  
}
```

Background

The CSS property to change the background color of an element to YIQ 31.1830, -21.9640, 12.5960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 29, 77) }
```

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

```
.background{ background-color: rgb(18, 29,  
77) }
```

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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