

Converting Colors

YIQ(20.6830, -26.5480, 7.5640)

Have a look what the booklet for
YIQ(20.6830, -26.5480, 7.5640)
contains.

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Color

**YIQ(20.6830, -26.5480,
7.5640)**

Conversions

Conversions Part 1

Format	Color
Hex	00173F
RGB	0, 23, 63
RGB Percent	0%, 9%, 25%
CMY	1.0000, 0.9098, 0.7531
CMYK	1.00, 0.63, 0.00, 0.75
HSL	218°, 100%, 12%
HSV	218°, 100%, 25%
XYZ	1.2028, 0.9717, 4.8217
YIQ	20.6830, -26.5480, 7.5640

Conversions

Conversions Part 2

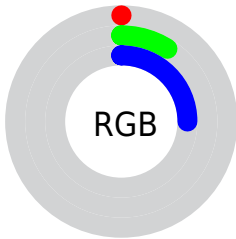
Format	Color
RYB	0, 17, 63
Decimal	5951
CIELab	8.75, 9.82, -28.08
CIElCh	9, 29.749, 289.280
Yxy	0.9717, 0.1719, 0.1389
Android (android.graphics.Color)	4278196031 (0xFF00173F)
YUV	20.6830, 20.8623, -18.1390
Hunter-Lab	9.8574, 4.5307, -22.1014

Details

The YIQ color **20.6830, -26.5480, 7.5640** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **42.3170, 26.5480, -7.5640**, and the grayscale version is **21.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **67.2540, -20.7260, 12.1860**, and **2.7530, -6.3740, 5.3860** is the 20% darker color. If you saturate the color by 10%, you get **20.6830, -26.5480, 7.5640**, and if you desaturate by 10%, it is **24.8250, -24.0720, 6.7440**.

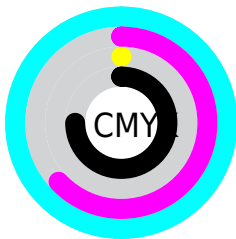
Distribution



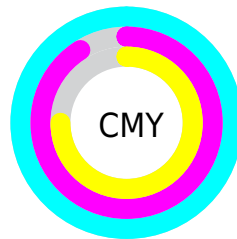
- Red (0%)
- Green (9%)
- Blue (25%)



- Red (0%)
- Yellow (7%)
- Blue (25%)



- Cyan (100%)
- Magenta (63%)
- Yellow (0%)
- Black (75%)



- Cyan (100%)
- Magenta (91%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 20.6830, -26.5480, 7.5640 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 20.6830, -26.5480, 7.5640 by changing the saturation by 10% instead.

■ 20.6830, -26.5480,
7.5640

■ 20.6830, -26.5480,
7.5640

■ 247.3030, -5.2270,
1.1170

■ 4.6740, -13.1610,
12.7510

■ 67.2540, -20.7260,
12.1860

■ 2.7530, -6.3740,
5.3860

■ 91.1940, -20.4970,
13.5430

■ 0.0000, 0.0000,
0.0000

■ 116.3080,
-20.8180, 13.8540

■ 141.8350,
-20.8640, 14.6880

■ 168.3620,
-20.9100, 15.5220

■ 195.8890,

-20.9560, 16.3560

■ 221.6090,
-14.5360, 10.1360

■ 20.6830, -26.5480,
7.5640

■ 24.8250, -24.0720,
6.7440

■ 29.2660, -21.0000,
6.1360

■ 33.4080, -18.5240,
5.3160

■ 37.5500, -16.0480,
4.4960

■ 41.6920, -13.5720,
3.6760

■ 46.1330, -10.5000,
3.0680

■ 50.2750, -8.0240,
2.2480

■ 54.4170, -5.5480,
1.4280

■ 58.8580, -2.4760,
0.8200

Harmonies

Analogous

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



24.9060, -28.7940, 4.2140



20.6830, -26.5480, 7.5640



25.1170, 4.7650, 18.2770

Triad

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



20.6830, -26.5480, 7.5640



22.0050, 27.9670, 5.2710



22.3690, -14.7610, -13.3290

Complementary

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



20.6830, -26.5480, 7.5640



42.3170, 26.5480, -7.5640

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.



18.7840, -8.8000, -16.7360



20.6830, -26.5480, 7.5640



24.5750, 17.1940, -3.2380

Square

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



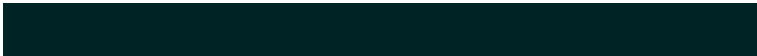
20.6830, -26.5480, 7.5640



19.3680, 31.6790, 15.0950



22.4160, 4.2200, -10.4040



24.8770, -21.8230, -6.4870

Rectangle

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



20.6830, -26.5480, 7.5640



22.3420, 17.3730, 21.0610



22.4160, 4.2200, -10.4040



20.5280, -10.9550, -16.2270

Sweetspot

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



20.6830, -26.5480, 7.5640



65.1330, -10.5000, 3.0680



41.5410, -30.1650, -20.5090



30.6450, -6.1900, 2.0500



168.0000, -0.0000, -0.0000



41.0000, 0.0000, -0.0000

Same Dimension

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



20.6830, -26.5480, 7.5640



26.9580, -34.5720, 9.8120



9.5740, -15.4550, 21.2890



28.9290, -1.2380, 0.4100



30.6740, -39.5240, 11.4520



72.8550, -93.5370, 26.6790

Inverse Universe

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



21.4590, 30.1650, 20.5090



27.9380, 39.2420, 26.7140



53.4260, 15.4550, -21.2890



29.0110, 1.4670, 0.9470



31.9820, 45.1100, 30.5020



75.6120, 106.3110, 72.2550

Previews

White Background



This preview shows how the YIQ color 20.6830, -26.5480, 7.5640 looks on a white background.

Color Contrast Check

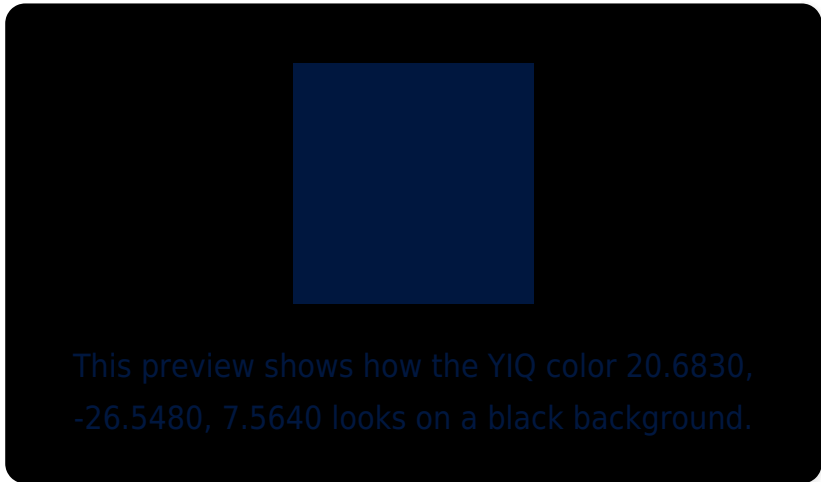
Large Text (above 18pt) WCAG AA ✓ Pass

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

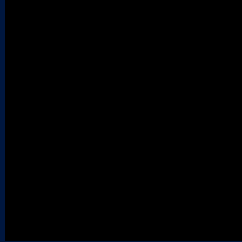
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 20.6830, -26.5480, 7.5640

Background



This preview shows how black text looks on a background with the YIQ color 20.6830, -26.5480, 7.5640.



This preview shows how white text looks on a background with the YIQ color 20.6830, -26.5480,

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

20.6830, -26.5480, 7.5640

Protanopia

21.4180, -24.4840, 3.1960

Deuteranopia

21.0930, -22.1910, 0.1850



Tritanopia

21.1440, -18.2010, -6.0490

Trichromacy



Original Color

20.6830, -26.5480, 7.5640

Protanomaly

21.1730, -25.1720, 4.6520

Deuteranomaly

21.1900, -23.8420, 2.5740

Tritanomaly

20.7510, -21.2280, -0.7480

Monochromacy



Original Color

20.6830, -26.5480, 7.5640

Achromatopsia

21.0000, -0.0000, -0.0000

Achromatomaly

20.9050, -9.8580, 2.4460

CSS Examples

Text

The CSS property to change the color of the text to YIQ 20.6830, -26.5480, 7.5640 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(0, 23, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 23, 63) }
```

Border

The CSS property to change the border of an element to YIQ 20.6830, -26.5480, 7.5640 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, 63) }
```


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

```
.border{ border-color:rgb(0, 23, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 23, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 23, 63); box-shadow:4px  
4px 4px 4px rgb(0, 23, 63) }
```

Background

The CSS property to change the background color of an element to YIQ 20.6830, -26.5480, 7.5640 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, 63) }
```

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

```
.background{ background-color: rgb(0, 23,  
63) }
```

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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