

Converting Colors

YIQ(27.8610, -23.7530, 17.4870)

Have a look what the booklet for
YIQ(27.8610, -23.7530, 17.4870)
contains.

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Color

**YIQ(27.8610, -23.7530,
17.4870)**

Conversions

Conversions Part 1

Format	Color
Hex	101754
RGB	16, 23, 84
RGB Percent	6%, 9%, 33%
CMY	0.9372, 0.9098, 0.6707
CMYK	0.81, 0.73, 0.00, 0.67
HSL	234°, 68%, 20%
HSV	234°, 81%, 33%
XYZ	2.1191, 1.3627, 8.5314
YIQ	27.8610, -23.7530, 17.4870

Conversions

Conversions Part 2

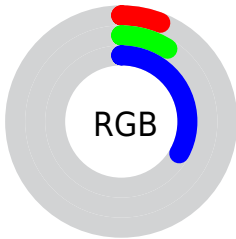
Format	Color
R_{YB}	16, 22, 84
Decimal	1054548
CIE _{Lab}	11.71, 21.30, -37.81
CIE _{LCh}	12, 43.398, 299.392
Yxy	1.3627, 0.1764, 0.1134
Android (android.graphics.Color)	4279244628 (0xFF101754)
YUV	27.8610, 27.6765, -10.4021
Hunter-Lab	11.6733, 11.9750, -35.1609

Details

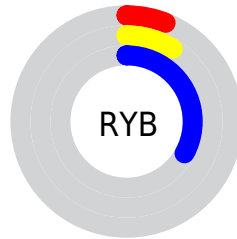
The YIQ color **27.8610, -23.7530, 17.4870** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **72.1390, 23.7530, -17.4870**, and the grayscale version is **28.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **75.2470, -18.8480, 22.2080**, and **5.5060, -12.7480, 10.7720** is the 20% darker color. If you saturate the color by 10%, you get **20.7730, -26.3210, 19.9750**, and if you desaturate by 10%, it is **34.9490, -21.1850, 14.9990**.

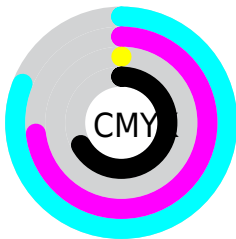
Distribution



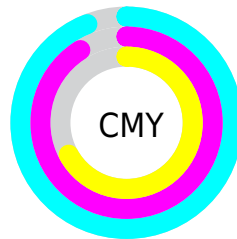
- Red (6%)
- Green (9%)
- Blue (33%)



- Red (6%)
- Yellow (9%)
- Blue (33%)



- Cyan (81%)
- Magenta (73%)
- Yellow (0%)
- Black (67%)



- Cyan (94%)
- Magenta (91%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 27.8610, -23.7530, 17.4870 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 27.8610, -23.7530, 17.4870 by changing the saturation by 10% instead.

■ 27.8610, -23.7530,
17.4870

■ 27.8610, -23.7530,
17.4870

■ 251.4780, 1.6500,
3.1380

■ 6.9540, -19.5810,
18.9710

■ 75.2470, -18.8480,
22.2080

■ 5.5060, -12.7480,
10.7720

■ 99.6000, -18.3440,
24.0880

■ 2.2970, -5.0900,
4.1420

■ 125.4260,
-17.7940, 25.1340

■ 0.0000, 0.0000,
0.0000

■ 151.3660,
-17.5650, 26.4910

■ 178.5940,
-18.2070, 27.1130

■ 203.9550,

-12.1540, 22.0380

■ 229.0620, -2.5700,
13.5420

■ 27.8610, -23.7530,
17.4870

■ 27.8610, -23.7530,
17.4870

■ 20.7730, -26.3210,
19.9750

■ 34.9490, -21.1850,
14.9990

■ 14.8590, -29.4390,
21.4170

■ 41.7490, -17.7460,
13.2460

■ 48.8370, -15.1780,
10.7580

■ 55.6370, -11.7390,
9.0050

■ 62.7250, -9.1710,
6.5170

■ 69.2260, -6.3280,
4.5520

■ 76.6130, -3.1640,
2.2760

■ 83.1140, -0.3210,
0.3110

■ 90.5010, 2.8430,
-1.9650

Harmonies

Analogous

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



31.6200, -39.4320, 9.7840



27.8610, -23.7530, 17.4870



26.2040, 18.2420, 32.8500

Triad

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



27.8610, -23.7530, 17.4870



27.3430, 32.8270, 5.2990



28.5470, -21.1340, -13.4700

Complementary

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



27.8610, -23.7530, 17.4870



72.1390, 23.7530, -17.4870

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



27.8610, -23.7530, 17.4870



29.5700, 15.5900, -7.2100

Square

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



27.8610, -23.7530, 17.4870



23.0230, 45.8920, 16.3240



23.8120, -6.0030, -17.8670



32.0810, -31.0850, -3.8290

Rectangle

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



27.8610, -23.7530, 17.4870



27.6260, 31.4930, 29.4850



23.8120, -6.0030, -17.8670



27.4070, -17.9240, -16.5800

Sweetspot

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



27.8610, -23.7530, 17.4870



87.8390, -9.4920, 6.8280



62.7560, -37.9600, -16.9040



42.9980, -5.6860, 3.9300



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

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



27.8610, -23.7530, 17.4870



21.6550, -37.3720, 27.5240



31.5260, -6.3320, 26.6600



37.4560, -1.2840, 1.2440



18.4270, -36.7300, 26.9020



40.5360, -81.0720, 59.6000

Inverse Universe

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



37.1300, 38.2810, 16.5930



36.2470, 60.2410, 26.1050



68.4740, 6.3320, -26.6600



38.1960, 2.3840, 0.8480



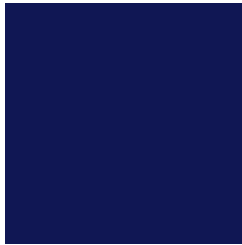
32.6490, 59.0490, 25.6810



72.1040, 130.5680, 56.6480

Previews

White Background



This preview shows how the YIQ color 27.8610, -23.7530, 17.4870 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



This preview shows how the YIQ color 27.8610, -23.7530, 17.4870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

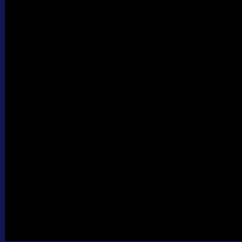
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 27.8610, -23.7530, 17.4870

Background



This preview shows how black text looks on a background with the YIQ color 27.8610, -23.7530, 17.4870.



This preview shows how white text looks on a background with the YIQ color 27.8610, -23.7530,

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

27.8610, -23.7530, 17.4870

Protanopia

25.6070, -29.3900, 4.0020

Deuteranopia

25.6410, -26.7300, -0.1540

Trichromacy



Original Color

27.8610, -23.7530, 17.4870

Protanomaly

26.4380, -27.2360, 9.0200

Deuteranomaly

26.3410, -25.5850, 6.6310

Monochromacy



Original Color

27.8610, -23.7530, 17.4870

Achromatopsia

28.0000, -0.0000, 0.0000

Achromatomaly

27.9100, -8.2540, 6.4180

CSS Examples

Text

The CSS property to change the color of the text to YIQ 27.8610, -23.7530, 17.4870 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(16, 23, 84)` looks like.

```
.text, #text, p{  
    color:rgb(16, 23, 84)  
}
```

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(16, 23, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 23, 84) }
```

Border

The CSS property to change the border of an element to YIQ 27.8610, -23.7530, 17.4870 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(16, 23, 84) }
```

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

```
.border{ border-color:rgb(16, 23, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 23, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 23, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 23, 84);  
box-shadow:4px 4px 4px 4px rgb(16, 23, 84)  
}
```


Background

The CSS property to change the background color of an element to YIQ 27.8610, -23.7530, 17.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 23, 84) }
```

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

```
.background{ background-color: rgb(16, 23,  
84) }
```

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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