

Converting Colors

YIQ(27.6830, -51.7700, 35.1580)

Have a look what the booklet for
YIQ(27.6830, -51.7700, 35.1580)
contains.

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Color

**YIQ(27.6830, -51.7700,
35.1580)**

Conversions

Conversions Part 1

Format	Color
Hex	001391
RGB	0, 19, 145
RGB Percent	0%, 7%, 57%
CMY	0.9999, 0.9255, 0.4317
CMYK	1.00, 0.87, 0.00, 0.43
HSL	232°, 100%, 28%
HSV	232°, 100%, 57%
XYZ	5.3380, 2.5080, 26.9596
YIQ	27.6830, -51.7700, 35.1580

Conversions

Conversions Part 2

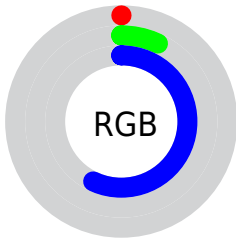
Format	Color
RYB	0, 17, 145
Decimal	5009
CIELab	17.95, 45.12, -67.04
CIELCh	18, 80.813, 303.940
Yxy	2.5080, 0.1534, 0.0721
Android (android.graphics.Color)	4278195089 (0xFF001391)
YUV	27.6830, 57.8373, -24.2780
Hunter-Lab	15.8368, 32.4515, -89.8461

Details

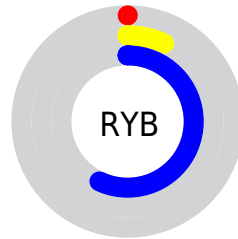
The YIQ color **27.6830, -51.7700, 35.1580** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **117.3170, 51.7700, -35.1580**, and the grayscale version is **27.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **87.5550, -30.4980, 46.1260**, and **10.6020, -29.8530, 28.9230** is the 20% darker color. If you saturate the color by 10%, you get **27.6830, -51.7700, 35.1580**, and if you desaturate by 10%, it is **39.7990, -46.4050, 31.5390**.

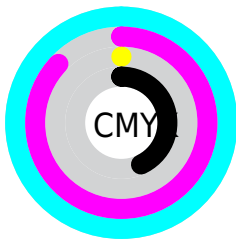
Distribution



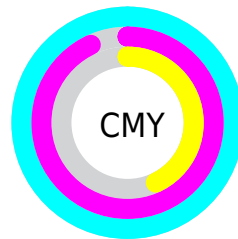
- Red (0%)
- Green (7%)
- Blue (57%)



- Red (0%)
- Yellow (7%)
- Blue (57%)



- Cyan (100%)
- Magenta (87%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (93%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 27.6830, -51.7700, 35.1580 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 27.6830, -51.7700, 35.1580 by changing the saturation by 10% instead.

■ 27.6830, -51.7700,
35.1580

■ 27.6830, -51.7700,
35.1580

■ 253.8260, 0.5500,
1.0460

■ 13.4520, -37.8780,
36.6980

■ 87.5550, -30.4980,
46.1260

■ 10.6020, -29.8530,
28.9230

■ 113.9190,
-28.5270, 48.9530

■ 11.8610, -23.7530,
17.4870

■ 140.2290,
-26.4640, 50.1120

■ 6.8910, -15.2700,
12.4260

■ 164.4610,
-15.7340, 42.8740

■ 3.2090, -7.6580,
6.6300

■ 189.2800, -5.2790,
35.1130

■ 0.0000, 0.0000,
0.0000

■ 214.6860, 4.9010,

26.8290

■ 236.8030, 8.5250,
16.2130

■ 27.6830, -51.7700,
35.1580

■ 39.7990, -46.4050,
31.5390

■ 51.0290, -41.3610,
28.2310

■ 63.1450, -35.9960,
24.6120

■ 74.3750, -30.9520,
21.3040

■ 86.1920, -26.1830,
17.4730

■ 98.3080, -20.8180,
13.8540

■ 109.5380,
-15.7740, 10.5460

■ 121.6540,
-10.4090, 6.9270

■ 132.8840, -5.3650,
3.6190

Harmonies

Analogous

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



50.7360, -68.4570, 23.6950



27.6830, -51.7700, 35.1580



44.8450, 36.2110, 54.1230

Triad

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



27.6830, -51.7700, 35.1580



33.0900, 52.9530, 15.0090



42.2080, -33.4210, -16.5650

Complementary

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



27.6830, -51.7700, 35.1580



117.3170, 51.7700, -35.1580

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.



35.2200, -16.5000, -31.3800



27.6830, -51.7700, 35.1580



41.0660, 16.8290, -13.1470

Square

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



27.6830, -51.7700, 35.1580



37.0760, 73.9040, 26.2880



32.8720, -15.4000, -29.2880



50.1080, -52.9100, 0.7380

Rectangle

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



27.6830, -51.7700, 35.1580



45.8950, 59.1370, 46.1210



32.8720, -15.4000, -29.2880



39.8140, -26.6800, -23.0960

Sweetspot

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



27.6830, -51.7700, 35.1580



143.1940, -20.4970, 13.5430



99.4790, -80.3210, -36.6490



66.8110, -12.2890, 7.9590



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000

Same Dimension

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



27.6830, -51.7700, 35.1580



36.2210, -67.5440, 45.7040



32.3770, -14.9570, 56.3310



65.3850, -2.5220, 1.6540



25.9560, -48.2850, 32.5710



1.4990, -2.8430, 1.9650

Inverse Universe

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



45.5210, 80.3210, 36.6490



59.3610, 104.6190, 47.8430



112.6230, 14.9570, -56.3310



66.2070, 3.8510, 1.7950



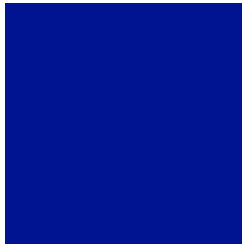
42.4170, 74.6820, 34.2180



2.5060, 4.4470, 2.0070

Previews

White Background



This preview shows how the YIQ color 27.6830, -51.7700, 35.1580 looks on a white background.

Color Contrast Check

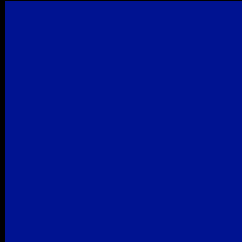
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6830, -51.7700, 35.1580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

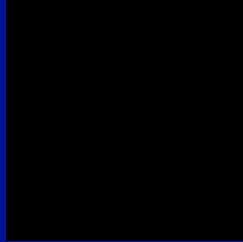
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 27.6830, -51.7700, 35.1580

Background



This preview shows how black text looks on a background with the YIQ color 27.6830, -51.7700, 35.1580.



This preview shows how white text looks on a background with the YIQ color 27.6830, -51.7700,

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

27.6830, -51.7700, 35.1580

Protanopia

36.4300, -41.9530, 5.9110

Deuteranopia

36.5950, -38.2840, -0.0120



Tritanopia

35.9790, -31.0380, -10.1900

Trichromacy



Original Color

27.6830, -51.7700, 35.1580

Protanomaly

33.3130, -45.5770, 16.5270

Deuteranomaly

33.4610, -43.2380, 12.6820

Tritanomaly

32.6970, -38.3310, 6.3490

Monochromacy



Original Color

27.6830, -51.7700, 35.1580

Achromatopsia

28.0000, -0.0000, 0.0000

Achromatomaly

28.1510, -18.9380, 12.8220

CSS Examples

Text

The CSS property to change the color of the text to YIQ 27.6830, -51.7700, 35.1580 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, 19, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 19, 145)  
}
```

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, 19, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 19, 145) }
```

Border

The CSS property to change the border of an element to YIQ 27.6830, -51.7700, 35.1580 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, 19, 145) }
```


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

```
.border{ border-color:rgb(0, 19, 145) }
```

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

Here you see how a box with a 4 pixel rgb(0, 19, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 19, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 19, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 19, 145)  
}
```

Background

The CSS property to change the background color of an element to YIQ 27.6830, -51.7700, 35.1580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 19, 145) }
```

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

```
.background{ background-color: rgb(0, 19,  
145) }
```

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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