

Converting Colors

YIQ(80.9590, -27.1450, 12.8790)

Have a look what the booklet for
YIQ(80.9590, -27.1450, 12.8790)
contains.

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Color

**YIQ(80.9590, -27.1450,
12.8790)**

Conversions

Conversions Part 1

Format	Color
Hex	3F5085
RGB	63, 80, 133
RGB Percent	25%, 31%, 52%
CMY	0.7529, 0.6862, 0.4786
CMYK	0.53, 0.40, 0.00, 0.48
HSL	225°, 36%, 38%
HSV	225°, 53%, 52%
XYZ	9.1500, 8.4875, 23.3326
YIQ	80.9590, -27.1450, 12.8790

Conversions

Conversions Part 2

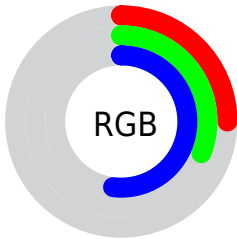
Format	Color
RYB	63, 77, 133
Decimal	4149381
CIELab	34.98, 9.42, -31.79
CIELCh	35, 33.156, 286.510
Yxy	8.4875, 0.2233, 0.2072
Android (android.graphics.Color)	4282339461 (0xFF3F5085)
YUV	80.9590, 25.6562, -15.7500
Hunter-Lab	29.1333, 5.0788, -27.0914

Details

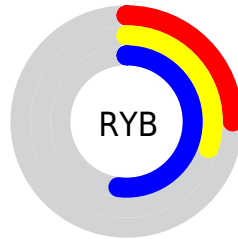
The YIQ color **80.9590, -27.1450, 12.8790** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **115.0410, 27.1450, -12.8790**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **131.3120, -26.6410, 14.7590**, and **31.1920, -35.3510, 7.4090** is the 20% darker color. If you saturate the color by 10%, you get **71.2020, -32.1430, 15.3530**, and if you desaturate by 10%, it is **90.7160, -22.1470, 10.4050**.

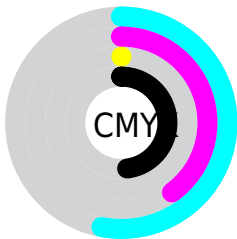
Distribution



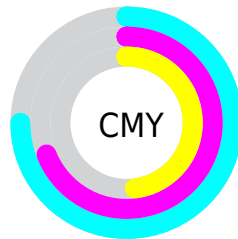
- Red (25%)
- Green (31%)
- Blue (52%)



- Red (25%)
- Yellow (30%)
- Blue (52%)



- Cyan (53%)
- Magenta (40%)
- Yellow (0%)
- Black (48%)



- Cyan (75%)
- Magenta (69%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 80.9590, -27.1450, 12.8790 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 80.9590, -27.1450, 12.8790 by changing the saturation by 10% instead.

■ 80.9590, -27.1450,
12.8790

■ 80.9590, -27.1450,
12.8790

■ 255.0000, -0.0000,
-0.0000

■ 56.4210, -28.5660,
11.0980

■ 131.3120,
-26.6410, 14.7590

■ 31.1920, -35.3510,
7.4090

■ 157.8390,
-26.6870, 15.5930

■ 15.5310, -23.0640,
10.5040

■ 185.0670,
-27.3290, 16.2150

■ 5.3920, -12.4270,
10.4610

■ 210.6560,
-21.9180, 11.7620

■ 2.1830, -4.7690,
3.8310

■ 235.7630,
-12.3340, 3.2660

■ 0.0000, 0.0000,
0.0000

■ 80.9590, -27.1450,
12.8790

■ 80.9590, -27.1450,
12.8790

■ 71.2020, -32.1430,
15.3530

■ 90.7160, -22.1470,
10.4050

■ 61.1460, -37.7370,
17.6150

■ 100.7720,
-16.5530, 8.1430

■ 51.3890, -42.7350,
20.0890

■ 110.5290,
-11.5550, 5.6690

■ 41.6320, -47.7330,
22.5630

■ 120.2860, -6.5570,
3.1950

■ 33.9460, -51.4930,
24.6270

■ 130.0430, -1.5590,
0.7210

■ 140.0990, 4.0350,
-1.5410

■ 149.8560, 9.0330,
-4.0150

■ 160.2000, 13.7560,

-7.0120

■ 170.2560, 19.3500,
-9.2740

Harmonies

Analogous

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



67.4050, -67.1680, -5.1840



80.9590, -27.1450, 12.8790



84.8660, 4.2140, 22.7580

Triad

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



80.9590, -27.1450, 12.8790



81.8340, 41.6300, 5.4540



63.6310, -48.2740, -28.2260

Complementary

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



80.9590, -27.1450, 12.8790



115.0410, 27.1450, -12.8790

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.



74.2800, -7.5610, -22.6730



80.9590, -27.1450, 12.8790



80.4980, 33.2880, -8.5680

Square

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



80.9590, -27.1450, 12.8790



82.2550, 39.4270, 17.8510



78.0180, 16.7840, -17.8400



66.7090, -56.9410, -19.8290

Rectangle

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



80.9590, -27.1450, 12.8790



84.4180, 20.2150, 24.6230



78.0180, 16.7840, -17.8400



68.8950, -31.4020, -25.6260

Sweetspot

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



80.9590, -27.1450, 12.8790



152.6000, -10.3170, 5.2590



110.0180, -35.9420, -20.4380



74.2860, -6.5570, 3.1950



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



80.9590, -27.1450, 12.8790



92.2750, -42.4140, 19.7780



76.0630, -12.3380, 25.3740



61.2710, -2.2010, 1.3430



33.6040, -50.5300, 23.6940



0.9290, -1.2380, 0.4100

Inverse Universe

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



85.8680, 36.2630, 20.1270



99.6690, 56.2970, 31.5050



119.6380, 11.7420, -25.5860



61.9080, 3.2550, 1.5830



42.5180, 67.2080, 37.5120



1.0110, 1.4670, 0.9470

Previews

White Background



This preview shows how the YIQ color 80.9590, -27.1450, 12.8790 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 80.9590, -27.1450, 12.8790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

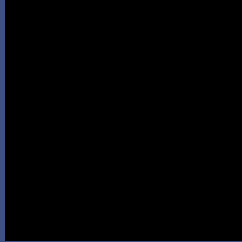
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 80.9590, -27.1450, 12.8790

Background



This preview shows how black text looks on a background with the YIQ color 80.9590, -27.1450, 12.8790.



This preview shows how white text looks on a background with the YIQ color 80.9590, -27.1450,

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

80.9590, -27.1450, 12.8790

Protanopia

80.3610, -28.3370, 12.4550

Deuteranopia

78.7300, -33.9300, 9.1900



Tritanopia

77.4360, -24.8950, -5.8790

Trichromacy



Original Color

80.9590, -27.1450, 12.8790

Protanomaly

80.6600, -27.7410, 12.6670

Deuteranomaly

79.3390, -31.2710, 10.5610

Tritanomaly

78.7660, -25.5840, 1.1040

Monochromacy



Original Color

80.9590, -27.1450, 12.8790

Achromatopsia

81.0000, -0.0000, 0.0000

Achromatomaly

81.0730, -10.2710, 4.4250

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.9590, -27.1450, 12.8790 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(63, 80, 133)` looks like.

```
.text, #text, p{  
    color:rgb(63, 80, 133)  
}
```

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(63, 80, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 80, 133) }
```

Border

The CSS property to change the border of an element to YIQ 80.9590, -27.1450, 12.8790 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(63, 80, 133) }
```


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

```
.border{ border-color:rgb(63, 80, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 80, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 80, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 80, 133);  
box-shadow:4px 4px 4px 4px rgb(63, 80,  
133) }
```

Background

The CSS property to change the background color of an element to YIQ 80.9590, -27.1450, 12.8790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 80, 133) }
```

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

```
.background{ background-color: rgb(63, 80,  
133) }
```

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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