

Converting Colors

YIQ(52.2770, -27.5600, 25.9120)

Have a look what the booklet for
YIQ(52.2770, -27.5600, 25.9120)
contains.

YIQ(52.2770, -27.5600, 25.9120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(52.2770, -27.5600,
25.9120)**

Conversions

Conversions Part 1

Format	Color
Hex	2A2B7F
RGB	42, 43, 127
RGB Percent	16%, 17%, 50%
CMY	0.8352, 0.8314, 0.5021
CMYK	0.67, 0.66, 0.00, 0.50
HSL	239°, 50%, 33%
HSV	239°, 67%, 50%
XYZ	5.6471, 3.7515, 20.4899
YIQ	52.2770, -27.5600, 25.9120

Conversions

Conversions Part 2

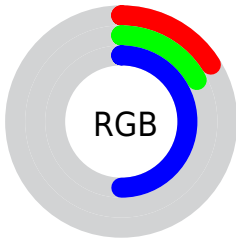
Format	Color
R_{YB}	42, 43, 127
Decimal	2763647
CIE _{Lab}	22.83, 27.72, -47.66
CIE _{LCh}	23, 55.136, 300.188
Yxy	3.7515, 0.1889, 0.1255
Android (android.graphics.Color)	4280953727 (0xFF2A2B7F)
YUV	52.2770, 36.8384, -9.0129
Hunter-Lab	19.3687, 18.1483, -49.1643

Details

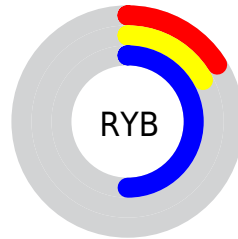
The YIQ color **52.2770, -27.5600, 25.9120** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **116.7230, 27.5600, -25.9120**, and the grayscale version is **52.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **102.1790, -24.1680, 30.5200**, and **8.7780, -24.7170, 23.9470** is the 20% darker color. If you saturate the color by 10%, you get **40.7590, -31.7330, 29.9550**, and if you desaturate by 10%, it is **63.7950, -23.3870, 21.8690**.

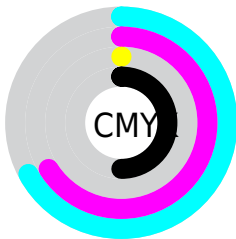
Distribution



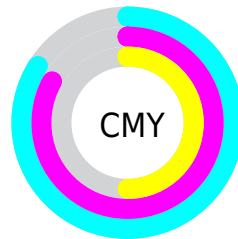
- Red (16%)
- Green (17%)
- Blue (50%)



- Red (16%)
- Yellow (17%)
- Blue (50%)



- Cyan (67%)
- Magenta (66%)
- Yellow (0%)
- Black (50%)



- Cyan (84%)
- Magenta (83%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 52.2770, -27.5600, 25.9120 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 52.2770, -27.5600, 25.9120 by changing the saturation by 10% instead.

■ 52.2770, -27.5600,
25.9120

■ 52.2770, -27.5600,
25.9120

■ 255.0000, -0.0000,
-0.0000

■ 24.7270, -37.8750,
20.1170

■ 102.1790,
-24.1680, 30.5200

■ 8.7780, -24.7170,
23.9470

■ 127.7170,
-22.7470, 32.3010

■ 8.9770, -18.3880,
13.8680

■ 154.6570,
-22.5180, 33.6580

■ 4.7080, -10.5010,
8.5950

■ 180.3430,
-18.7580, 31.5940

■ 0.2280, -0.6420,
0.6220

■ 205.1510, -9.7700,
22.8860

■ 0.0000, 0.0000,
0.0000

■ 229.9700, 0.6850,

15.1250

251.4780, 1.6500,
3.1380

52.2770, -27.5600,
25.9120

52.2770, -27.5600,
25.9120

40.7590, -31.7330,
29.9550

63.7950, -23.3870,
21.8690

30.1270, -35.5850,
33.6870

74.4270, -19.5350,
18.1370

18.6090, -39.7580,
37.7300

85.9450, -15.3620,
14.0940

15.0650, -41.0420,
38.9740

96.8760, -10.9140,
10.5740

108.0950, -7.3370,
6.3190

■ 119.0260, -2.8890,
2.7990

■ 130.5440, 1.2840,
-1.2440

■ 141.4750, 5.7320,
-4.7640

■ 152.6940, 9.3090,
-9.0190

Harmonies

Analogous

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



51.5390, -61.0730, 11.0150



52.2770, -27.5600, 25.9120



44.6650, 27.7300, 48.1300

Triad

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



52.2770, -27.5600, 25.9120



49.5590, 49.6540, 3.2060



47.2460, -36.5840, -19.8160

Complementary

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



52.2770, -27.5600, 25.9120



116.7230, 27.5600, -25.9120

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.



40.6000, -20.6260, -33.6980



52.2770, -27.5600, 25.9120



51.4430, 25.9530, -13.3030

Square

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



52.2770, -27.5600, 25.9120



37.4050, 65.7880, 30.2040



44.4560, -2.4250, -27.6490



52.5070, -50.0200, -7.5880

Rectangle

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



52.2770, -27.5600, 25.9120



43.2620, 47.8580, 46.7860



44.4560, -2.4250, -27.6490



45.5360, -31.7690, -24.4810

Sweetspot

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



52.2770, -27.5600, 25.9120



136.7620, -10.5930, 10.2630



101.4710, -50.3390, -18.3310



66.2800, -6.4200, 6.2200



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



52.2770, -27.5600, 25.9120



49.3360, -43.2430, 40.3170



63.9490, -2.8490, 35.1270



57.7980, -2.2470, 2.1770



15.1790, -41.3630, 39.2850



0.0000, 0.0000, 0.0000

Inverse Universe

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



67.5290, 50.3390, 18.3310



72.9950, 78.6260, 28.8180



105.0510, 2.8490, -35.1270



59.0930, 4.1720, 1.4840



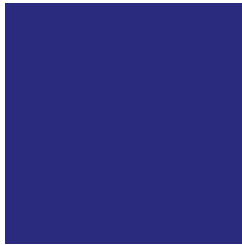
38.3860, 75.9670, 27.4470



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 52.2770, -27.5600, 25.9120 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 52.2770, -27.5600, 25.9120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

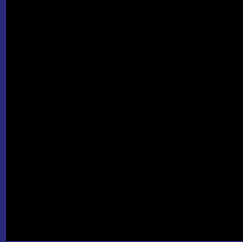
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 52.2770, -27.5600, 25.9120

Background



This preview shows how black text looks on a background with the YIQ color 52.2770, -27.5600, 25.9120.



This preview shows how white text looks on a background with the YIQ color 52.2770, -27.5600,

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

52.2770, -27.5600, 25.9120

Protanopia

43.8790, -50.5270, 7.1130

Deuteranopia

43.8160, -46.2160, 0.5680



Tritanopia

43.2170, -37.6400, -11.6880

Trichromacy



Original Color

52.2770, -27.5600, 25.9120

Protanomaly

46.5860, -42.0920, 13.9400

Deuteranomaly

46.6200, -39.4320, 9.7840

Tritanomaly

46.2150, -34.1580, 2.3060

Monochromacy



Original Color

52.2770, -27.5600, 25.9120

Achromatopsia

52.0000, -0.0000, -0.0000

Achromatomaly

52.1210, -10.2260, 9.1180

CSS Examples

Text

The CSS property to change the color of the text to YIQ 52.2770, -27.5600, 25.9120 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(42, 43, 127)` looks like.

```
.text, #text, p{  
    color:rgb(42, 43, 127)  
}
```

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(42, 43, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 43, 127) }
```

Border

The CSS property to change the border of an element to YIQ 52.2770, -27.5600, 25.9120 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(42, 43, 127) }
```


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

```
.border{ border-color:rgb(42, 43, 127) }
```

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

Here you see how a box with a 4 pixel rgb(42, 43, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 43, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 43, 127);  
box-shadow:4px 4px 4px 4px rgb(42, 43,  
127) }
```

Background

The CSS property to change the background color of an element to YIQ 52.2770, -27.5600, 25.9120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 43, 127) }
```

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

```
.background{ background-color: rgb(42, 43,  
127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor