

Converting Colors

YIQ(44.5000, -27.5240, 80.3480)

Have a look what the booklet for
YIQ(44.5000, -27.5240, 80.3480)
contains.

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Color

**YIQ(44.5000, -27.5240,
80.3480)**

Conversions

Conversions Part 1

Format	Color
Hex	4400D4
RGB	68, 0, 212
RGB Percent	27%, 0%, 83%
CMY	0.7330, 1.0000, 0.1689
CMYK	0.68, 1.00, 0.00, 0.17
HSL	259°, 100%, 42%
HSV	259°, 100%, 83%
XYZ	14.2640, 5.9816, 62.6440
YIQ	44.5000, -27.5240, 80.3480

Conversions

Conversions Part 2

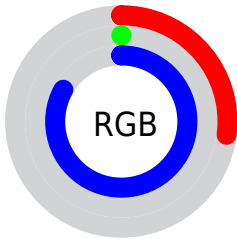
Format	Color
R_{YB}	68, 0, 212
Decimal	4456660
CIE Lab	29.37, 70.16, -88.13
CIE LCh	29, 112.646, 308.527
Yxy	5.9816, 0.1721, 0.0722
Android (android.graphics.Color)	4282646740 (0xFF4400D4)
YUV	44.5000, 82.5775, 20.6095
Hunter-Lab	24.4573, 61.3047, -134.7432

Details

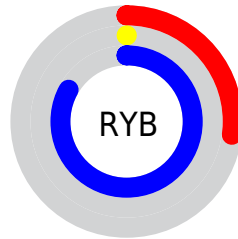
The YIQ color **44.5000, -27.5240, 80.3480** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **167.5000, 27.5240, -80.3480**, and the grayscale version is **44.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **110.5360, -19.1780, 72.2620**, and **17.7840, -50.0760, 48.5160** is the 20% darker color. If you saturate the color by 10%, you get **44.5000, -27.5240, 80.3480**, and if you desaturate by 10%, it is **61.0130, -24.9550, 72.3330**.

Distribution



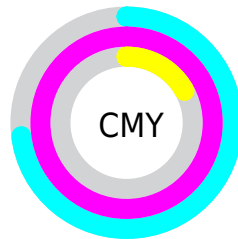
- Red (27%)
- Green (0%)
- Blue (83%)



- Red (27%)
- Yellow (0%)
- Blue (83%)



- Cyan (68%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)



- Cyan (73%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 44.5000, -27.5240, 80.3480 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 44.5000, -27.5240, 80.3480 by changing the saturation by 10% instead.

■ 44.5000, -27.5240,
80.3480

■ 44.5000, -27.5240,
80.3480

■ 255.0000, -0.0000,
-0.0000

■ 24.1510, -52.1870,
59.2450

■ 110.5360,
-19.1780, 72.2620

■ 17.7840, -50.0760,
48.5160

■ 136.2410, -8.4020,
64.1900

■ 14.7060, -41.4090,
40.1190

■ 161.6580, 3.2450,
56.8530

■ 11.6280, -32.7420,
31.7220

■ 187.3630, 14.0210,
48.7810

■ 14.6480, -27.4670,
18.7170

■ 210.9750, 20.6250,
39.2250


■ 8.9770, -18.3880,
13.8680


■ 227.4110, 12.9250,


■ 4.7080, -10.5010,


24.5810


8.5950


 244.4340, 4.9500,
9.4140


 0.2280, -0.6420,
0.6220


 0.0000, 0.0000,
0.0000

 44.5000, -27.5240,
80.3480

 61.0130, -24.9550,
72.3330

 77.8250, -21.7900,
64.5300

 94.9250, -19.4960,
55.9920

 111.7370,
-16.3310, 48.1890

■ 128.2500,
-13.7620, 40.1740

■ 144.7630,
-11.1930, 32.1590

■ 161.5750, -8.0280,
24.3560

■ 178.6750, -5.7340,
15.8180

■ 195.4870, -2.5690,
8.0150

Harmonies

Analogous

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



75.6880, -102.8920, 36.5320



44.5000, -27.5240, 80.3480



69.6230, 64.2200, 80.6680

Triad

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



44.5000, -27.5240, 80.3480



58.5510, 70.4680, 11.4600



66.4810, -56.2990, -20.4510

Complementary

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



44.5000, -27.5240, 80.3480



167.5000, 27.5240, -80.3480

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.



54.0040, -25.3000, -48.1160



44.5000, -27.5240, 80.3480



62.8620, 16.9230, -25.8690

Square

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



44.5000, -27.5240, 80.3480



54.4180, 108.4720, 38.5840



51.6560, -24.2000, -46.0240



78.0460, -84.7300, 4.7260

Rectangle

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



44.5000, -27.5240, 80.3480



69.2900, 95.3540, 67.0820



51.6560, -24.2000, -46.0240



62.3600, -46.0730, -29.5690

Sweetspot

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



44.5000, -27.5240, 80.3480



194.8400, -10.0920, 28.7240



109.2830, -107.9270, -9.9030



91.4300, -6.4220, 17.2740



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



44.5000, -27.5240, 80.3480



53.5880, -32.9830, 96.6890



75.8950, 35.0560, 102.6080



98.4500, -1.1470, 4.2690



35.9390, -22.1110, 64.8410



9.0880, -5.4590, 16.3410

Inverse Universe

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



79.8040, 80.1280, 89.7280



95.9670, 96.4470, 107.8630



136.1050, -35.0560, -102.6080



100.2010, 3.9880, 4.8200



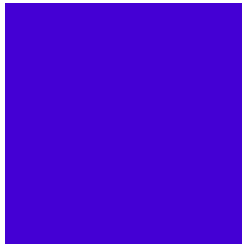
64.3530, 64.6800, 72.3280



16.1630, 16.3190, 18.1350

Previews

White Background



This preview shows how the YIQ color 44.5000, -27.5240, 80.3480 looks on a white background.

Color Contrast Check

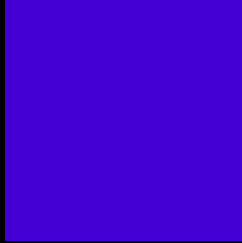
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.5000, -27.5240, 80.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

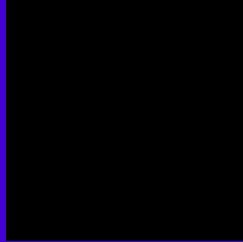
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 44.5000, -27.5240, 80.3480

Background



This preview shows how black text looks on a background with the YIQ color 44.5000, -27.5240, 80.3480.



This preview shows how white text looks on a background with the YIQ color 44.5000, -27.5240,

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

44.5000, -27.5240, 80.3480

Protanopia

56.9190, -65.1990, 8.6970

Deuteranopia

56.7590, -59.2370, -0.2370



Tritanopia

55.9490, -48.6890, -15.1930

Trichromacy



Original Color

44.5000, -27.5240, 80.3480

Protanomaly

52.5690, -51.4490, 34.8470

Deuteranomaly

52.1470, -47.5050, 29.4470

Tritanomaly

51.7590, -40.9010, 19.8910

Monochromacy



Original Color

44.5000, -27.5240, 80.3480

Achromatopsia

45.0000, -0.0000, -0.0000

Achromatomaly

44.9540, -10.4130, 29.0350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 44.5000, -27.5240, 80.3480 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(68, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(68, 0, 212)  
}
```

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(68, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 0, 212) }
```

Border

The CSS property to change the border of an element to YIQ 44.5000, -27.5240, 80.3480 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(68, 0, 212) }
```


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

```
.border{ border-color:rgb(68, 0, 212) }
```

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

Here you see how a box with a 4 pixel rgb(68, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(68, 0, 212)  
}
```

Background

The CSS property to change the background color of an element to YIQ 44.5000, -27.5240, 80.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 0, 212) }
```

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

```
.background{ background-color: rgb(68, 0,  
212) }
```

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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