

Converting Colors

YIQ(77.7300, -24.7620, 19.2540)

Have a look what the booklet for
YIQ(77.7300, -24.7620, 19.2540)
contains.

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Color

**YIQ(77.7300, -24.7620,
19.2540)**

Conversions

Conversions Part 1

Format	Color
Hex	42488A
RGB	66, 72, 138
RGB Percent	26%, 28%, 54%
CMY	0.7411, 0.7176, 0.4590
CMYK	0.52, 0.48, 0.00, 0.46
HSL	235°, 35%, 40%
HSV	235°, 52%, 54%
XYZ	9.1495, 7.6274, 25.0203
YIQ	77.7300, -24.7620, 19.2540

Conversions

Conversions Part 2

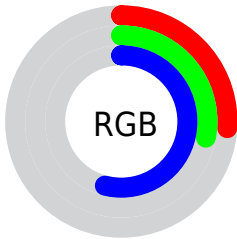
Format	Color
RYB	66, 72, 138
Decimal	4343946
CIELab	33.19, 17.11, -37.68
CIElCh	33, 41.384, 294.415
Yxy	7.6274, 0.2189, 0.1825
Android (android.graphics.Color)	4282534026 (0xFF42488A)
YUV	77.7300, 29.7131, -10.2872
Hunter-Lab	27.6178, 10.8037, -34.3812

Details

The YIQ color $77.7300, -24.7620, 19.2540$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $126.2700, 24.7620, -19.2540$, and the grayscale version is $77.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $127.9090, -23.7080, 22.1800$, and $28.1370, -33.5180, 12.7380$ is the 20% darker color. If you saturate the color by 10%, you get $65.9130, -29.5310, 23.0850$, and if you desaturate by 10%, it is $89.5470, -19.9930, 15.4230$.

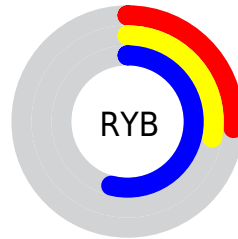
Distribution



Red (26%)

Green (28%)

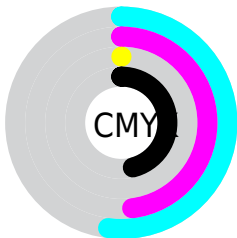
Blue (54%)



Red (26%)

Yellow (28%)

Blue (54%)

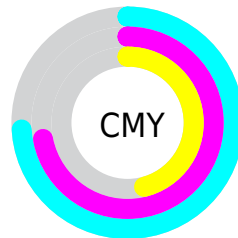


Cyan (52%)

Magenta (48%)

Yellow (0%)

Black (46%)



Cyan (74%)

Magenta (72%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.7300, -24.7620, 19.2540 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 77.7300, -24.7620, 19.2540 by changing the saturation by 10% instead.

■ 77.7300, -24.7620,
19.2540

■ 77.7300, -24.7620,
19.2540

■ 255.0000, -0.0000,
-0.0000

■ 53.7790, -26.4580,
16.9500

■ 127.9090,
-23.7080, 22.1800

■ 28.1370, -33.5180,
12.7380

■ 154.4360,
-23.7540, 23.0140

■ 9.6440, -21.6440,
17.8120

■ 181.6640,
-24.3960, 23.6360

■ 6.4350, -13.9860,
11.1820

■ 206.8680,
-16.4630, 17.5290

■ 2.7530, -6.3740,
5.3860

■ 231.6760, -7.4750,
8.8210

■ 0.0000, 0.0000,
0.0000

■ 77.7300, -24.7620,
19.2540

■ 77.7300, -24.7620,
19.2540

■ 65.9130, -29.5310,
23.0850

■ 89.5470, -19.9930,
15.4230

■ 54.6830, -34.5750,
26.3930

■ 100.7770,
-14.9490, 12.1150

■ 43.1650, -38.7480,
30.4360

■ 112.2950,
-10.7760, 8.0720

■ 31.3480, -43.5170,
34.2670

■ 124.1120, -6.0070,
4.2410

■ 22.1890, -47.3230,
37.1650

■ 135.3420, -0.9630,
0.9330

■ 147.1590, 3.8060,
-2.8980

■ 158.9760, 8.5750,
-6.7290

■ 169.9070, 13.0230,

-10.2490

■ 181.7240, 17.7920,
-14.0800

Harmonies

Analogous

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



65.6100, -69.0030, 0.5410



77.7300, -24.7620, 19.2540



80.2850, 13.5200, 30.3200

Triad

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



77.7300, -24.7620, 19.2540



75.3200, 48.8290, 1.6370



62.6850, -48.3660, -26.5580

Complementary

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



77.7300, -24.7620, 19.2540



126.2700, 24.7620, -19.2540

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.



63.4410, -24.4320, -30.8000



77.7300, -24.7620, 19.2540



73.2670, 38.0120, -17.0920

Square

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



77.7300, -24.7620, 19.2540



74.8820, 50.8430, 20.2110



70.6660, 14.5390, -26.7170



66.4470, -58.9590, -16.2950

Rectangle

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



77.7300, -24.7620, 19.2540



77.9790, 31.9970, 31.3650



70.6660, 14.5390, -26.7170



60.7300, -44.2390, -29.7670

Sweetspot

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



77.7300, -24.7620, 19.2540



154.4800, -9.8590, 7.9730



115.7880, -40.9860, -17.1300



75.1120, -6.0070, 4.2410



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

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



77.7300, -24.7620, 19.2540



84.1650, -38.7480, 30.4360



83.1780, -5.2320, 28.7520



63.3850, -2.5220, 1.6540



21.6190, -45.7180, 35.6100



0.5700, -1.6050, 1.5550

Inverse Universe

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



88.2120, 40.9860, 17.1300



100.8130, 64.4590, 26.7550



120.8220, 5.2320, -28.7520



64.2070, 3.8510, 1.7950



41.0210, 75.7370, 31.6170



1.4950, 2.9800, 1.0600

Previews

White Background



This preview shows how the YIQ color 77.7300, -24.7620, 19.2540 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 77.7300, -24.7620, 19.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

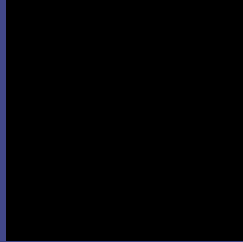
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 77.7300, -24.7620, 19.2540

Background



This preview shows how black text looks on a background with the YIQ color 77.7300, -24.7620, 19.2540.



This preview shows how white text looks on a background with the YIQ color 77.7300, -24.7620,

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

77.7300, -24.7620, 19.2540

Protanopia

74.2550, -39.6620, 13.9540

Deuteranopia

70.5480, -48.0970, 7.1270



Tritanopia

73.9310, -21.9150, -4.8190

Trichromacy



Original Color

77.7300, -24.7620, 19.2540

Protanomaly

75.9460, -34.2980, 15.8620

Deuteranomaly

72.7880, -39.8450, 11.7630

Tritanomaly

75.3150, -22.6960, 3.8320

Monochromacy



Original Color

77.7300, -24.7620, 19.2540

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

78.1380, -8.8960, 7.0400

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.7300, -24.7620, 19.2540 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(66, 72, 138)` looks like.

```
.text, #text, p{  
    color:rgb(66, 72, 138)  
}
```

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(66, 72, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 72, 138) }
```

Border

The CSS property to change the border of an element to YIQ 77.7300, -24.7620, 19.2540 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(66, 72, 138) }
```


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

```
.border{ border-color:rgb(66, 72, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 72, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 72, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 72, 138);  
box-shadow:4px 4px 4px 4px rgb(66, 72,  
138) }
```

Background

The CSS property to change the background color of an element to YIQ 77.7300, -24.7620, 19.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 72, 138) }
```

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

```
.background{ background-color: rgb(66, 72,  
138) }
```

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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