

Converting Colors

YIQ(75.8870, -53.0050, 18.9870)

Have a look what the booklet for
YIQ(75.8870, -53.0050, 18.9870)
contains.

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Color

**YIQ(75.8870, -53.0050,
18.9870)**

Conversions

Conversions Part 1

Format	Color
Hex	254EA7
RGB	37, 78, 167
RGB Percent	15%, 31%, 65%
CMY	0.8549, 0.6940, 0.3454
CMYK	0.78, 0.53, 0.00, 0.35
HSL	221°, 64%, 40%
HSV	221°, 78%, 65%
XYZ	10.4567, 8.6318, 37.6397
YIQ	75.8870, -53.0050, 18.9870

Conversions

Conversions Part 2

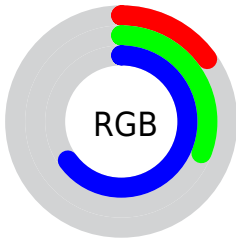
Format	Color
R_{YB}	37, 68, 167
Decimal	2444967
CIE _{Lab}	35.27, 18.61, -51.98
CIE _{LCh}	35, 55.208, 289.701
Yxy	8.6318, 0.1843, 0.1522
Android (android.graphics.Color)	4280635047 (0xFF254EA7)
YUV	75.8870, 44.9187, -34.1039
Hunter-Lab	29.3799, 12.1156, -55.3928




Details

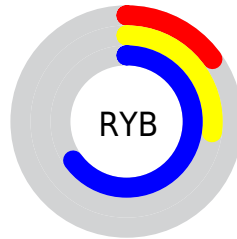
The YIQ color **75.8870, -53.0050, 18.9870** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **128.1130, 53.0050, -18.9870**, and the grayscale version is **75.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **129.8820, -45.4410, 25.0790**, and **33.5410, -46.2190, 17.1490** is the 20% darker color. If you saturate the color by 10%, you get **64.3470, -60.1120, 21.1360**, and if you desaturate by 10%, it is **87.4270, -45.8980, 16.8380**.

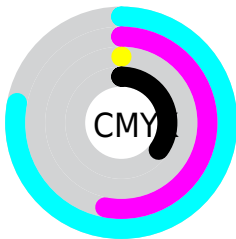
Distribution







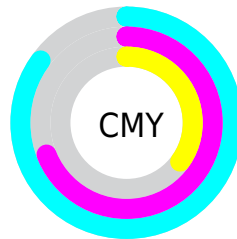
-  Red (15%)
-  Green (31%)
-  Blue (65%)






-  Red (15%)
-  Yellow (27%)
-  Blue (65%)



-  Cyan (78%)
-  Magenta (53%)
-  Yellow (0%)
-  Black (35%)



-  Cyan (85%)
-  Magenta (69%)
-  Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 75.8870, -53.0050, 18.9870 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 75.8870, -53.0050, 18.9870 by changing the saturation by 10% instead.

■ 75.8870, -53.0050,
18.9870

■ 75.8870, -53.0050,
18.9870

■ 255.0000, -0.0000,
-0.0000

■ 48.8320, -60.3400,
14.2520

■ 129.8820,
-45.4410, 25.0790

■ 33.5410, -46.2190,
17.1490

■ 157.1210,
-44.6160, 26.6480

■ 19.5380, -32.9690,
19.3110

■ 181.9830,
-35.7200, 19.6080

■ 11.5190, -22.7900,
16.5540

■ 206.5030,
-25.8610, 11.6350

■ 6.5490, -14.3070,
11.4930

■ 231.9090,
-15.6810, 3.3510

■ 2.8670, -6.6950,
5.6970

■ 253.2060, -3.5760,

■ 0.0000, 0.0000,

-1.2720

0.0000

■ 75.8870, -53.0050,
18.9870

■ 75.8870, -53.0050,
18.9870

■ 64.3470, -60.1120,
21.1360

■ 87.4270, -45.8980,
16.8380

■ 52.5190, -66.3480,
24.0200

■ 99.2550, -39.6620,
13.9540

■ 50.1490, -68.1820,
24.2180

■ 110.7950,
-32.5550, 11.8050

■ 122.9220,
-25.7230, 9.1330

■ 134.1630,
-19.2120, 6.7720

■ 146.2900,
-12.3800, 4.1000

■ 157.8300, -5.2730,
1.9510

■ 169.3700, 1.8340,
-0.1980

■ 181.1980, 8.0700,
-3.0820

Harmonies

Analogous

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



73.9710, -80.1450, 4.2310



75.8870, -53.0050, 18.9870



84.2390, 11.1340, 40.5260

Triad

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



75.8870, -53.0050, 18.9870



76.7090, 66.8470, 5.4950



66.8110, -48.9610, -32.2970

Complementary

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



75.8870, -53.0050, 18.9870



128.1130, 53.0050, -18.9870

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.



58.9910, -32.4530, -45.1330



75.8870, -53.0050, 18.9870



78.6980, 47.0440, -15.5800

Square

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



75.8870, -53.0050, 18.9870



72.1220, 68.2630, 34.9110



74.9560, 19.3540, -31.3820



72.6420, -64.0020, -18.5140

Rectangle

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



75.8870, -53.0050, 18.9870



78.7710, 39.0550, 46.6310



74.9560, 19.3540, -31.3820



64.4000, -43.5500, -36.7500

Sweetspot

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



75.8870, -53.0050, 18.9870



182.0920, -20.4500, 7.1820



123.4560, -64.3190, -40.3110



88.4040, -12.7010, 4.4110



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000

Same Dimension

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



75.8870, -53.0050, 18.9870



75.5960, -82.4420, 29.3500



58.9960, -27.4260, 45.5180



78.0860, -3.1180, 1.4420



44.4610, -60.4330, 21.4470



5.8020, -8.0700, 3.0820

Inverse Universe

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



80.5440, 64.3190, 40.3110



82.6940, 99.8480, 62.7280



145.0040, 27.4260, -45.5180



78.6200, 4.1260, 2.3180



49.6100, 73.1210, 45.9930



6.6640, 9.9940, 6.1060

Previews

White Background



This preview shows how the YIQ color 75.8870, -53.0050, 18.9870 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 75.8870, -53.0050, 18.9870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

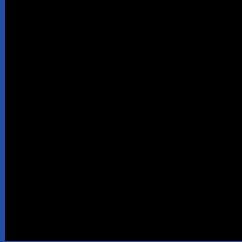
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 75.8870, -53.0050, 18.9870

Background



This preview shows how black text looks on a background with the YIQ color 75.8870, -53.0050, 18.9870.



This preview shows how white text looks on a background with the YIQ color 75.8870, -53.0050,

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

75.8870, -53.0050, 18.9870

Protanopia

69.8140, -69.0970, 13.2630

Deuteranopia

66.6530, -70.5620, 1.2620



Tritanopia

65.1760, -56.7580, -17.6380

Trichromacy



Original Color

75.8870, -53.0050, 18.9870

Protanomaly

71.8040, -63.1370, 15.3830

Deuteranomaly

69.5770, -64.2360, 7.7640

Tritanomaly

68.9780, -55.6600, -4.4920

Monochromacy



Original Color

75.8870, -53.0050, 18.9870

Achromatopsia

76.0000, -0.0000, -0.0000

Achromatomaly

76.1630, -19.2120, 6.7720

CSS Examples

Text

The CSS property to change the color of the text to YIQ 75.8870, -53.0050, 18.9870 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(37, 78, 167)` looks like.

```
.text, #text, p{  
    color:rgb(37, 78, 167)  
}
```

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(37, 78, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 78, 167) }
```

Border

The CSS property to change the border of an element to YIQ 75.8870, -53.0050, 18.9870 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(37, 78, 167) }
```


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

```
.border{ border-color:rgb(37, 78, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 78, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 78, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 78, 167);  
box-shadow:4px 4px 4px 4px rgb(37, 78,  
167) }
```

Background

The CSS property to change the background color of an element to YIQ 75.8870, -53.0050, 18.9870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 78, 167) }
```

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

```
.background{ background-color: rgb(37, 78,  
167) }
```

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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