

Converting Colors

YIQ(86.8420, -13.5740, 14.7300)

Have a look what the booklet for
YIQ(86.8420, -13.5740, 14.7300)
contains.

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Color

**YIQ(86.8420, -13.5740,
14.7300)**

Conversions

Conversions Part 1

Format	Color
Hex	53517F
RGB	83, 81, 127
RGB Percent	33%, 32%, 50%
CMY	0.6745, 0.6823, 0.5020
CMYK	0.35, 0.36, 0.00, 0.50
HSL	243°, 22%, 41%
HSV	243°, 36%, 50%
XYZ	10.3397, 9.2559, 21.3125
YIQ	86.8420, -13.5740, 14.7300

Conversions

Conversions Part 2

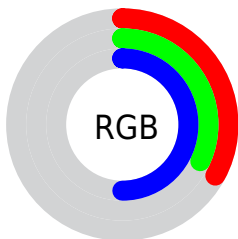
Format	Color
RYB	83, 81, 127
Decimal	5460351
CIELab	36.47, 12.51, -25.65
CIELCh	36, 28.543, 295.999
Yxy	9.2559, 0.2528, 0.2263
Android (android.graphics.Color)	4283650431 (0xFF53517F)
YUV	86.8420, 19.7979, -3.3694
Hunter-Lab	30.4234, 7.4239, -20.2379

Details

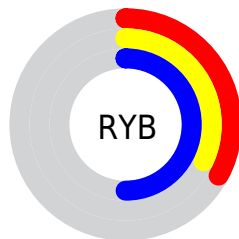
The YIQ color $86.8420, -13.5740, 14.7300$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $121.1580, 13.5740, -14.7300$, and the grayscale version is $87.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $136.8960, -13.6660, 16.3980$, and $41.0760, -14.3530, 12.3270$ is the 20% darker color. If you saturate the color by 10%, you get $75.6230, -17.1510, 18.9850$, and if you desaturate by 10%, it is $98.0610, -9.9970, 10.4750$.

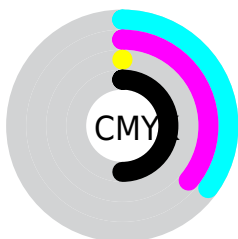
Distribution



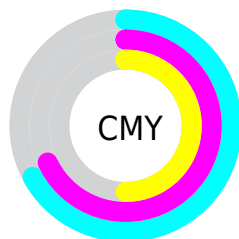
- Red (33%)
- Green (32%)
- Blue (50%)



- Red (33%)
- Yellow (32%)
- Blue (50%)



- Cyan (35%)
- Magenta (36%)
- Yellow (0%)
- Black (50%)



- Cyan (67%)
- Magenta (68%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 86.8420, -13.5740, 14.7300 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 86.8420, -13.5740, 14.7300 by changing the saturation by 10% instead.

■ 86.8420, -13.5740,
14.7300

■ 86.8420, -13.5740,
14.7300

■ 255.0000, -0.0000,
-0.0000

■ 63.3150, -13.5280,
13.8960

■ 136.8960,
-13.6660, 16.3980

■ 41.0760, -14.3530,
12.3270

■ 163.4230,
-13.7120, 17.2320

■ 18.5380, -15.7740,
10.5460

■ 190.5370,
-14.0330, 17.5430

■ 4.9360, -11.1430,
9.2170

■ 217.5110,
-11.1440, 14.7440

■ 0.6840, -1.9260,
1.8660

■ 242.6180, -1.5600,
6.2480

■ 0.0000, 0.0000,
0.0000

■ 86.8420, -13.5740,
14.7300

■ 86.8420, -13.5740,
14.7300

■ 75.6230, -17.1510,
18.9850

■ 98.0610, -9.9970,
10.4750

■ 64.9910, -21.0030,
22.7170

■ 108.6930, -6.1450,
6.7430

■ 53.7720, -24.5800,
26.9720

■ 119.9120, -2.5680,
2.4880

■ 42.2540, -28.7530,
31.0150

■ 131.4300, 1.6050,
-1.5550

■ 31.6220, -32.6050,
34.7470

■ 142.0620, 5.4570,
-5.2870

■ 20.4030, -36.1820,
39.0020

■ 153.2810, 9.0340,
-9.5420

■ 16.2720, -37.1910,
40.7690

■ 164.5000, 12.6110,
-13.7970

■ 175.7190, 16.1880,

-18.0520

■ 186.3510, 20.0400,
-21.7840

Harmonies

Analogous

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



79.1370, -42.6860, 2.6740



86.8420, -13.5740, 14.7300



88.2210, 10.4040, 20.7080

Triad

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



86.8420, -13.5740, 14.7300



85.3770, 35.4870, 1.1430



67.4830, -50.6130, -24.3810

Complementary

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



86.8420, -13.5740, 14.7300



121.1580, 13.5740, -14.7300

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.



78.0390, -14.0720, -20.3120



86.8420, -13.5740, 14.7300



83.6650, 25.4480, -9.6560

Square

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



86.8420, -13.5740, 14.7300



86.1250, 36.6770, 12.6210



81.6520, 9.1270, -16.7370



68.9090, -60.3800, -18.0760

Rectangle

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



86.8420, -13.5740, 14.7300



87.8650, 23.1500, 20.9900



81.6520, 9.1270, -16.7370



73.4480, -34.3370, -21.9930

Sweetspot

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



86.8420, -13.5740, 14.7300



150.0520, -5.7780, 5.5980



112.0720, -26.8660, -8.7060



74.5530, -2.9350, 3.6330



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.



86.8420, -13.5740, 14.7300



103.4040, -20.7280, 23.2400



93.7190, 0.1340, 19.6060



58.0970, -1.6510, 2.3890



16.3860, -37.5120, 41.0800



0.0000, 0.0000, 0.0000

Inverse Universe

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



99.7700, 13.2920, 23.4360



123.3940, 20.7630, 36.7230



114.2810, -0.1340, -19.6060



59.7770, 2.2460, 3.3500



52.1800, 37.1260, 65.0780



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 86.8420, -13.5740, 14.7300 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 86.8420, -13.5740, 14.7300 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 86.8420, -13.5740, 14.7300

Background



This preview shows how black text looks on a background with the YIQ color 86.8420, -13.5740, 14.7300.



This preview shows how white text looks on a background with the YIQ color 86.8420, -13.5740,

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

86.8420, -13.5740, 14.7300

Protanopia

85.0580, -23.1100, 11.3380

Deuteranopia

84.8900, -22.6970, 9.3590



Tritanopia

85.2100, -9.3990, -0.3670

Trichromacy



Original Color

86.8420, -13.5740, 14.7300

Protanomaly

85.8520, -19.5340, 12.6100

Deuteranomaly

85.7980, -19.4420, 10.9420

Tritanomaly

85.7140, -10.6380, 5.5700

Monochromacy



Original Color

86.8420, -13.5740, 14.7300

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.2370, -4.8610, 5.4990

CSS Examples

Text

The CSS property to change the color of the text to YIQ 86.8420, -13.5740, 14.7300 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(83, 81, 127)` looks like.

```
.text, #text, p{  
    color:rgb(83, 81, 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(83, 81, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 81, 127) }
```

Border

The CSS property to change the border of an element to YIQ 86.8420, -13.5740, 14.7300 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(83, 81, 127) }
```


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

```
.border{ border-color:rgb(83, 81, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 81, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 81, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 81, 127);  
box-shadow:4px 4px 4px 4px rgb(83, 81,  
127) }
```

Background

The CSS property to change the background color of an element to YIQ 86.8420, -13.5740, 14.7300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 81, 127) }
```

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

```
.background{ background-color: rgb(83, 81,  
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](#).

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