

Converting Colors

YIQ(86.3750, -13.7570, 12.5390)

Have a look what the booklet for
YIQ(86.3750, -13.7570, 12.5390)
contains.

YIQ(86.3750, -13.7570, 12.5390)	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(86.3750, -13.7570,
12.5390)**

Conversions

Conversions Part 1

Format	Color
Hex	51527B
RGB	81, 82, 123
RGB Percent	32%, 32%, 48%
CMY	0.6823, 0.6784, 0.5177
CMYK	0.34, 0.33, 0.00, 0.52
HSL	239°, 21%, 40%
HSV	239°, 34%, 48%
XYZ	9.9850, 9.2138, 19.9838
YIQ	86.3750, -13.7570, 12.5390

Conversions

Conversions Part 2

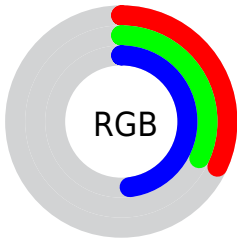
Format	Color
R_{YB}	81, 82, 123
Decimal	5329531
CIE _{Lab}	36.39, 10.09, -23.33
CIE _{LCh}	36, 25.417, 293.399
Yxy	9.2138, 0.2548, 0.2351
Android (android.graphics.Color)	4283519611 (0xFF51527B)
YUV	86.3750, 18.0561, -4.7139
Hunter-Lab	30.3542, 5.5974, -17.7859

Details

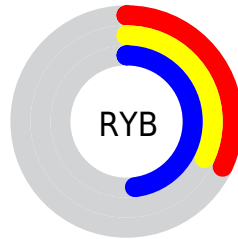
The YIQ color **86.3750, -13.7570, 12.5390** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **117.6250, 13.7570, -12.5390**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **136.4290, -13.8490, 14.2070**, and **40.0220, -14.2610, 10.6590** is the 20% darker color. If you saturate the color by 10%, you get **75.7430, -17.6090, 16.2710**, and if you desaturate by 10%, it is **97.0070, -9.9050, 8.8070**.

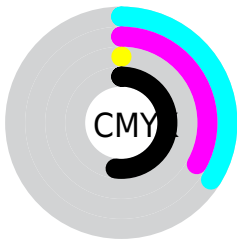
Distribution



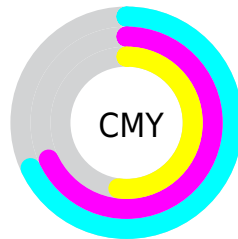
- Red (32%)
- Green (32%)
- Blue (48%)



- Red (32%)
- Yellow (32%)
- Blue (48%)



- Cyan (34%)
- Magenta (33%)
- Yellow (0%)
- Black (52%)



- Cyan (68%)
- Magenta (68%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 86.3750, -13.7570, 12.5390 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 86.3750, -13.7570, 12.5390 by changing the saturation by 10% instead.

■ 86.3750, -13.7570,
12.5390

■ 86.3750, -13.7570,
12.5390

■ 255.0000, -0.0000,
-0.0000

■ 62.8480, -13.7110,
11.7050

■ 136.4290,
-13.8490, 14.2070

■ 40.0220, -14.2610,
10.6590

■ 162.5430,
-14.1700, 14.5180

■ 18.4840, -15.6820,
8.8780

■ 189.6570,
-14.4910, 14.8290

■ 4.5940, -10.1800,
8.2840

■ 217.2010,
-13.2070, 13.5850

■ 0.0000, 0.0000,
0.0000

■ 242.3080, -3.6230,
5.0890

■ 86.3750, -13.7570,
12.5390

■ 86.3750, -13.7570,
12.5390

■ 75.7430, -17.6090,
16.2710

■ 97.0070, -9.9050,
8.8070

■ 64.8120, -22.0570,
19.7910

■ 107.9380, -5.4570,
5.2870

■ 54.1800, -25.9090,
23.5230

■ 118.5700, -1.6050,
1.5550

■ 43.5480, -29.7610,
27.2550

■ 129.2020, 2.2470,
-2.1770

■ 32.9160, -33.6130,
30.9870

■ 139.8340, 6.0990,
-5.9090

■ 21.9850, -38.0610,
34.5070

■ 150.7650, 10.5470,
-9.4290

■ 15.7830, -40.3080,
36.6840

■ 161.3970, 14.3990,
-13.1610

■ 172.0290, 18.2510,

-16.8930

■ 182.9600, 22.6990,
-20.4130

Harmonies

Analogous

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



80.0620, -38.1010, 2.1790



86.3750, -13.7570, 12.5390



88.5580, 7.8370, 17.6690

Triad

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



86.3750, -13.7570, 12.5390



86.0500, 32.0940, 2.0620



73.8440, -35.3920, -19.3920

Complementary

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



86.3750, -13.7570, 12.5390



117.6250, 13.7570, -12.5390

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.



79.7730, -10.2670, -17.6830



86.3750, -13.7570, 12.5390



84.6480, 24.1180, -7.5780

Square

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



86.3750, -13.7570, 12.5390



86.4450, 32.7800, 11.6600



82.1190, 9.3100, -14.5460



67.8660, -58.8210, -18.7970

Rectangle

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



86.3750, -13.7570, 12.5390



88.1310, 19.3450, 18.3610



82.1190, 9.3100, -14.5460



76.6340, -25.9930, -19.0250

Sweetspot

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



86.3750, -13.7570, 12.5390



146.8240, -5.1360, 4.9760



110.3280, -24.7110, -9.2150



73.1400, -3.2100, 3.1100



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000

Same Dimension

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



86.3750, -13.7570, 12.5390



103.1110, -21.4610, 20.0030



91.7680, -1.5620, 17.3020



55.6840, -1.9260, 1.8660



16.0110, -40.9500, 37.3060



32.2500, -82.5420, 75.2340

Inverse Universe

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



93.6720, 24.7110, 9.2150



114.8480, 39.0150, 14.3030



112.2320, 1.5620, -17.3020



56.7940, 3.5760, 1.2720



37.7170, 73.5370, 27.4330



76.0320, 148.2660, 55.2900

Previews

White Background



This preview shows how the YIQ color 86.3750, -13.7570, 12.5390 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 86.3750, -13.7570, 12.5390 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 86.3750, -13.7570, 12.5390

Background



This preview shows how black text looks on a background with the YIQ color 86.3750, -13.7570, 12.5390.

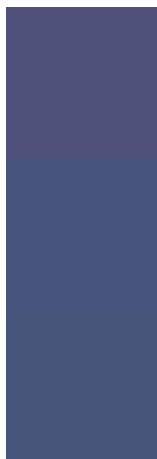


This preview shows how white text looks on a background with the YIQ color 86.3750, -13.7570,

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

86.3750, -13.7570, 12.5390

Protanopia

85.0860, -20.3130, 10.2070

Deuteranopia

85.3310, -19.6250, 8.7510



Tritanopia

84.9110, -9.9950, -0.5790

Trichromacy



Original Color

86.3750, -13.7570, 12.5390

Protanomaly

85.2820, -17.9290, 11.0550

Deuteranomaly

85.6410, -17.5620, 9.9100

Tritanomaly

85.4750, -11.4630, 4.0010

Monochromacy



Original Color

86.3750, -13.7570, 12.5390

Achromatopsia

86.0000, -0.0000, -0.0000

Achromatomaly

86.2970, -5.0900, 4.1420

CSS Examples

Text

The CSS property to change the color of the text to YIQ 86.3750, -13.7570, 12.5390 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(81, 82, 123)` looks like.

```
.text, #text, p{  
    color:rgb(81, 82, 123)  
}
```

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(81, 82, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 82, 123) }
```

Border

The CSS property to change the border of an element to YIQ 86.3750, -13.7570, 12.5390 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(81, 82, 123) }
```


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

```
.border{ border-color:rgb(81, 82, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 82, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 82, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 82, 123);  
box-shadow:4px 4px 4px 4px rgb(81, 82,  
123) }
```

Background

The CSS property to change the background color of an element to YIQ 86.3750, -13.7570, 12.5390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 82, 123) }
```

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

```
.background{ background-color: rgb(81, 82,  
123) }
```

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