

Converting Colors

YIQ(87.1010, -6.3330, 32.1870)

Have a look what the booklet for
YIQ(87.1010, -6.3330, 32.1870)
contains.

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Color

**YIQ(87.1010, -6.3330,
32.1870)**

Conversions

Conversions Part 1

Format	Color
Hex	654495
RGB	101, 68, 149
RGB Percent	40%, 27%, 58%
CMY	0.6038, 0.7334, 0.4158
CMYK	0.32, 0.54, 0.00, 0.42
HSL	264°, 37%, 43%
HSV	264°, 54%, 58%
XYZ	12.8598, 9.0704, 29.4974
YIQ	87.1010, -6.3330, 32.1870

Conversions

Conversions Part 2

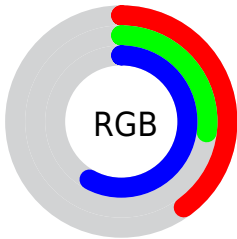
Format	Color
R_{YB}	101, 68, 149
Decimal	6636693
CIE _{Lab}	36.12, 32.03, -39.55
CIE _{LCh}	36, 50.895, 309.006
Yxy	9.0704, 0.2501, 0.1764
Android (android.graphics.Color)	4284826773 (0xFF654495)
YUV	87.1010, 30.5162, 12.1894
Hunter-Lab	30.1171, 23.5135, -36.9880

Details

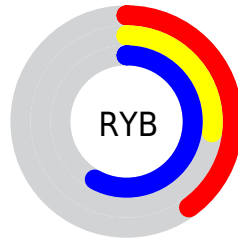
The YIQ color **87.1010, -6.3330, 32.1870** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **129.8990, 6.3330, -32.1870**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.9810, -5.8750, 34.9010**, and **39.0360, -7.7080, 29.5720** is the 20% darker color. If you saturate the color by 10%, you get **75.6050, -7.5720, 38.1240**, and if you desaturate by 10%, it is **98.5970, -5.0940, 26.2500**.

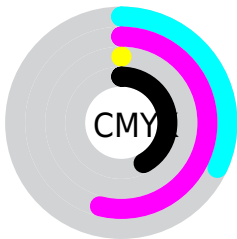
Distribution



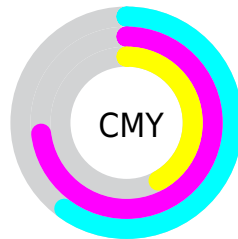
- Red (40%)
- Green (27%)
- Blue (58%)



- Red (40%)
- Yellow (27%)
- Blue (58%)



- Cyan (32%)
- Magenta (54%)
- Yellow (0%)
- Black (42%)



- Cyan (60%)
- Magenta (73%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.1010, -6.3330, 32.1870 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 87.1010, -6.3330, 32.1870 by changing the saturation by 10% instead.

87.1010, -6.3330,
32.1870

87.1010, -6.3330,
32.1870

255.0000, -0.0000,
-0.0000

62.8620, -7.1580,
30.6180

137.9810, -5.8750,
34.9010

38.9220, -7.3870,
29.2610

164.8070, -5.3250,
35.9470

15.1990, -9.7250,
27.5790

191.6500, -3.4450,
34.9150

5.7000, -16.0500,
15.5500

216.1700, 6.4140,
26.9420

4.3660, -9.5380,
7.6620

237.9770, 7.9750,
15.1670

0.0000, 0.0000,
0.0000

254.4130, 0.2750,

0.5230

■ 87.1010, -6.3330,
32.1870

■ 87.1010, -6.3330,
32.1870

■ 75.6050, -7.5720,
38.1240

■ 98.5970, -5.0940,
26.2500

■ 64.1090, -8.8110,
44.0610

■ 110.0930, -3.8550,
20.3130

■ 52.9120, -9.4540,
50.2100

■ 121.2900, -3.2120,
14.1640

■ 41.4160, -10.6930,
56.1470

■ 132.7860, -1.9730,
8.2270

■ 35.2250, -11.4730,
59.2710

■ 143.6950, -0.4590,
2.8130

■ 155.1910, 0.7800,
-3.1240

■ 166.6870, 2.0190,
-9.0610

■ 178.1830, 3.2580,
-14.9980

■ 189.3800, 3.9010,
-21.1470

Harmonies

Analogous

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



69.4060, -76.9360, 6.6480



87.1010, -6.3330, 32.1870



83.1570, 34.7920, 41.2880

Triad

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



87.1010, -6.3330, 32.1870



79.9380, 55.2960, -10.9440



71.5190, -59.4620, -23.7020

Complementary

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



87.1010, -6.3330, 32.1870



129.8990, 6.3330, -32.1870

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.



65.4430, -45.1090, -36.0290



87.1010, -6.3330, 32.1870



78.5770, 30.9070, -25.9970

Square

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



87.1010, -6.3330, 32.1870



79.6520, 62.9940, 14.7540



71.4310, -1.2770, -37.4450



75.3780, -71.7060, -11.0500

Rectangle

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



87.1010, -6.3330, 32.1870



78.9710, 52.8110, 39.6190



71.4310, -1.2770, -37.4450



69.8090, -54.6470, -28.3670

Sweetspot

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



87.1010, -6.3330, 32.1870



170.1220, -2.7990, 12.1850



105.9970, -39.4760, -0.4360



82.5580, -1.3310, 7.6050



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000

Same Dimension

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



87.1010, -6.3330, 32.1870



97.6130, -10.0500, 49.9980



99.0610, 17.5070, 40.6670



68.6950, -0.4590, 2.8130



32.4760, -10.9220, 54.7900



2.3360, -0.8260, 3.9580

Inverse Universe

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



97.6910, 32.8680, 32.1000



114.1100, 51.3420, 49.7260



117.9390, -17.5070, -40.6670



69.5490, 2.8880, 2.7280



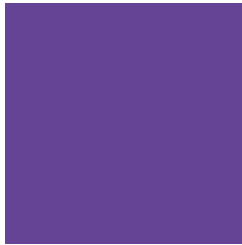
50.6100, 55.9260, 54.7580



3.6740, 4.0340, 3.9860

Previews

White Background



This preview shows how the YIQ color 87.1010, -6.3330, 32.1870 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 87.1010, -6.3330, 32.1870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

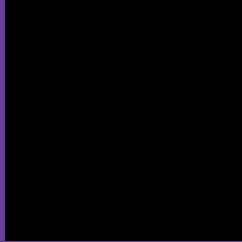
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.1010, -6.3330, 32.1870

Background



This preview shows how black text looks on a background with the YIQ color 87.1010, -6.3330, 32.1870.



This preview shows how white text looks on a background with the YIQ color 87.1010, -6.3330,

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

87.1010, -6.3330, 32.1870

Protanopia

78.4910, -51.9500, 16.3860

Deuteranopia

79.2710, -45.7590, 8.8090



Tritanopia

85.5920, 1.3290, 3.4490

Trichromacy



Original Color

87.1010, -6.3330, 32.1870

Protanomaly

81.8630, -35.2620, 22.3220

Deuteranomaly

81.8540, -31.0430, 17.4450

Tritanomaly

86.2470, -1.6530, 13.4430

Monochromacy



Original Color

87.1010, -6.3330, 32.1870

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.0080, -2.4780, 11.8740

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.1010, -6.3330, 32.1870 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(101, 68, 149)` looks like.

```
.text, #text, p{  
    color:rgb(101, 68, 149)  
}
```

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(101, 68, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 68, 149) }
```

Border

The CSS property to change the border of an element to YIQ 87.1010, -6.3330, 32.1870 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(101, 68, 149) }
```


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

```
.border{ border-color:rgb(101, 68, 149) }
```

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

Here you see how a box with a 4 pixel rgb(101, 68, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 68, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 68, 149);  
box-shadow:4px 4px 4px 4px rgb(101, 68,  
149) }
```

Background

The CSS property to change the background color of an element to YIQ 87.1010, -6.3330, 32.1870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 68, 149) }
```

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

```
.background{ background-color: rgb(101, 68,  
149) }
```

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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