

Converting Colors

YIQ(55.7550, 37.1250, 70.6050)

Have a look what the booklet for
YIQ(55.7550, 37.1250, 70.6050)
contains.

YIQ(55.7550, 37.1250, 70.6050)	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(55.7550, 37.1250,
70.6050)**

Conversions

Conversions Part 1

Format	Color
Hex	870087
RGB	135, 0, 135
RGB Percent	53%, 0%, 53%
CMY	0.4702, 1.0000, 0.4705
CMYK	0.00, 1.00, 0.00, 0.47
HSL	300°, 100%, 26%
HSV	300°, 100%, 53%
XYZ	14.3823, 6.9091, 23.5012
YIQ	55.7550, 37.1250, 70.6050

Conversions

Conversions Part 2

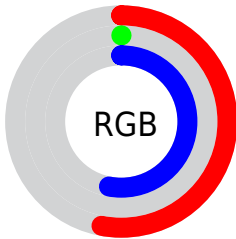
Format	Color
RYB	135, 0, 135
Decimal	8847495
CIELab	31.60, 61.27, -37.90
CIElCh	32, 72.048, 328.259
Yxy	6.9091, 0.3211, 0.1542
Android (android.graphics.Color)	4287037575 (0xFF870087)
YUV	55.7550, 39.0678, 69.4979
Hunter-Lab	26.2851, 51.6699, -34.6111

Details

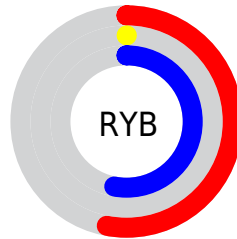
The YIQ color **55.7550, 37.1250, 70.6050** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **79.2450, -37.1250, -70.6050**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **122.3920, 33.4130, 60.7810**, and **33.4960, 20.7160, 43.0840** is the 20% darker color. If you saturate the color by 10%, you get **55.7550, 37.1250, 70.6050**, and if you desaturate by 10%, it is **63.9730, 33.2750, 63.2830**.

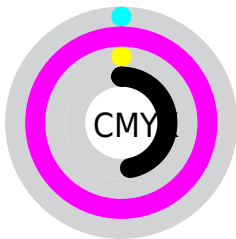
Distribution



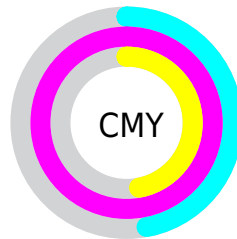
- Red (53%)
- Green (0%)
- Blue (53%)



- Red (53%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (47%)



- Cyan (47%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 55.7550, 37.1250, 70.6050 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 55.7550, 37.1250, 70.6050 by changing the saturation by 10% instead.

■ 55.7550, 37.1250,
70.6050

■ 55.7550, 37.1250,
70.6050

■ 255.0000, -0.0000,
-0.0000

■ 44.7180, 29.3790,
56.7950

■ 122.3920, 33.4130,
60.7810

■ 33.4960, 20.7160,
43.0840

■ 150.6910, 34.0090,
60.9930

■ 23.6980, 13.7950,
30.8430

■ 179.4030, 34.8800,
61.7280

■ 12.4050, 3.8940,
17.5420

■ 198.0610, 26.6750,
50.7310

■ 2.1830, -4.7690,
3.8310

■ 214.4970, 18.9750,
36.0870

■ 0.0000, 0.0000,
0.0000

■ 231.5200, 11.0000,

20.9200

■ 249.1300, 2.7500,
5.2300

■ 55.7550, 37.1250,
70.6050

■ 63.9730, 33.2750,
63.2830

■ 71.6040, 29.7000,
56.4840

■ 79.8220, 25.8500,
49.1620

■ 87.4530, 22.2750,
42.3630

■ 95.6710, 18.4250,
35.0410

■ 103.3020, 14.8500,
28.2420

■ 111.5200, 11.0000,
20.9200

■ 119.1510, 7.4250,
14.1210

■ 127.3690, 3.5750,
6.7990

Harmonies

Analogous

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



68.1300, -48.8350, 31.5250



55.7550, 37.1250, 70.6050



58.4550, 72.6600, 59.8600

Triad

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



55.7550, 37.1250, 70.6050



70.6690, 36.8200, -17.5160



70.8300, -67.1670, -10.7110

Complementary

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



55.7550, 37.1250, 70.6050



79.2450, -37.1250, -70.6050

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.



63.6310, -48.2740, -28.2260



55.7550, 37.1250, 70.6050



60.9470, -2.7900, -37.5580

Square

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



55.7550, 37.1250, 70.6050



65.9050, 69.2310, 6.3430



54.0040, -25.3000, -48.1160



74.7860, -81.0620, 4.3300

Rectangle

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



55.7550, 37.1250, 70.6050



54.9490, 85.4080, 49.0880



54.0040, -25.3000, -48.1160



68.7780, -61.3890, -16.3090

Sweetspot

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



55.7550, 37.1250, 70.6050



144.8890, 14.5750, 27.7190



15.3900, -43.3350, 41.9850



70.2160, 8.8000, 16.7360



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.



55.7550, 37.1250, 70.6050



72.6880, 48.4000, 92.0480



48.1170, 58.6320, 49.7680



62.4780, 1.6500, 3.1380



53.6900, 35.7500, 67.9900



1.2390, 0.8250, 1.5690

Inverse Universe

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



55.7550, 37.1250, 70.6050



72.6880, 48.4000, 92.0480



86.9970, -58.9530, -49.4570



62.4780, 1.6500, 3.1380



53.6900, 35.7500, 67.9900



1.2390, 0.8250, 1.5690

Previews

White Background



This preview shows how the YIQ color 55.7550, 37.1250, 70.6050 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

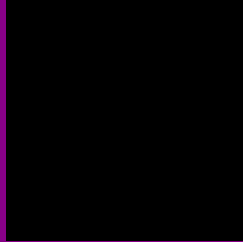
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 55.7550, 37.1250, 70.6050

Background



This preview shows how black text looks on a background with the YIQ color 55.7550, 37.1250, 70.6050.



This preview shows how white text looks on a background with the YIQ color 55.7550, 37.1250,

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

55.7550, 37.1250, 70.6050

Protanopia

62.0370, -71.3430, 9.9130

Deuteranopia

74.0180, -34.8010, 8.4550



Tritanopia

75.4680, 43.1410, 16.6210

Trichromacy



Original Color

55.7550, 37.1250, 70.6050

Protanomaly

59.9270, -32.1460, 31.9340

Deuteranomaly

67.4920, -8.9920, 30.8160

Tritanomaly

68.5180, 40.8450, 36.2130

Monochromacy



Original Color

55.7550, 37.1250, 70.6050

Achromatopsia

56.0000, -0.0000, 0.0000

Achromatomaly

56.2370, 13.4750, 25.6270

CSS Examples

Text

The CSS property to change the color of the text to YIQ 55.7550, 37.1250, 70.6050 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(135, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(135, 0, 135)  
}
```

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(135, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 135) }
```

Border

The CSS property to change the border of an element to YIQ 55.7550, 37.1250, 70.6050 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(135, 0, 135) }
```


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

```
.border{ border-color:rgb(135, 0, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 0, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
135) }
```

Background

The CSS property to change the background color of an element to YIQ 55.7550, 37.1250, 70.6050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 135) }
```

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

```
.background{ background-color: rgb(135, 0,  
135) }
```

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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