

Converting Colors

YIQ(87.8950, 5.2700, 14.6300)

Have a look what the booklet for
YIQ(87.8950, 5.2700, 14.6300)
contains.

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Color

**YIQ(87.8950, 5.2700,
14.6300)**

Conversions

Conversions Part 1

Format	Color
Hex	664D6B
RGB	102, 77, 107
RGB Percent	40%, 30%, 42%
CMY	0.5999, 0.6981, 0.5804
CMYK	0.05, 0.28, 0.00, 0.58
HSL	290°, 16%, 36%
HSV	290°, 28%, 42%
XYZ	10.7887, 9.1938, 15.1157
YIQ	87.8950, 5.2700, 14.6300

Conversions

Conversions Part 2

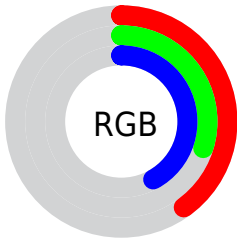
Format	Color
R_{YB}	102, 77, 107
Decimal	6704491
CIE _{Lab}	36.35, 16.43, -13.29
CIE _{LCh}	36, 21.130, 321.019
Yxy	9.1938, 0.3074, 0.2619
Android (android.graphics.Color)	4284894571 (0xFF664D6B)
YUV	87.8950, 9.4188, 12.3701
Hunter-Lab	30.3212, 10.4506, -8.3323

Details

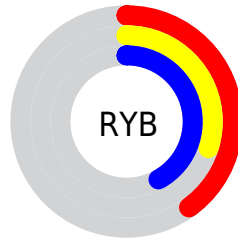
The YIQ color **87.8950, 5.2700, 14.6300** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **96.1050, -5.2700, -14.6300**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.7210, 5.8200, 15.6760**, and **42.0690, 4.7200, 13.5840** is the 20% darker color. If you saturate the color by 10%, you get **80.8400, 7.1030, 19.9590**, and if you desaturate by 10%, it is **94.9500, 3.4370, 9.3010**.

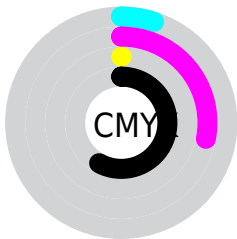
Distribution



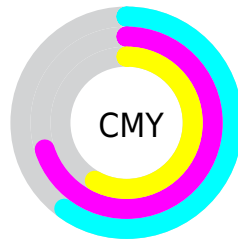
- Red (40%)
- Green (30%)
- Blue (42%)



- Red (40%)
- Yellow (30%)
- Blue (42%)



- Cyan (5%)
- Magenta (28%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (70%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.8950, 5.2700, 14.6300 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 87.8950, 5.2700, 14.6300 by changing the saturation by 10% instead.

87.8950, 5.2700,
14.6300

87.8950, 5.2700,
14.6300

255.0000, -0.0000,
-0.0000

64.4820, 4.9950,
14.1070

137.7210, 5.8200,
15.6760

42.0690, 4.7200,
13.5840

164.1340, 6.0950,
16.1990

20.6560, 4.4450,
13.0610

191.5470, 6.3700,
16.7220

1.8240, -5.1360,
4.9760

219.5470, 6.3700,
16.7220

0.0000, 0.0000,
0.0000

243.2600, 5.5000,
10.4600

87.8950, 5.2700,
14.6300

87.8950, 5.2700,
14.6300

80.8400, 7.1030,
19.9590

94.9500, 3.4370,
9.3010

74.3720, 8.6610,
24.7650

101.4180, 1.8790,
4.4950

67.6160, 11.0900,
30.3060

108.1740, -0.5500,
-1.0460

60.5610, 12.9230,
35.6350

115.2290, -2.3830,
-6.3750

53.5060, 14.7560,
40.9640

121.6970, -3.9410,
-11.1810

47.0380, 16.3140,
45.7700

128.7520, -5.7740,
-16.5100

40.2820, 18.7430,
51.3110


135.5080, -8.2030,
-22.0510

38.8090, 18.6970,

142.5630,

52.1450

-10.0360, -27.3800

 149.0310,
-11.5940, -32.1860

Harmonies

Analogous

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



85.9790, -12.7020, 9.9380



87.8950, 5.2700, 14.6300



87.6100, 19.2540, 14.5020

Triad

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



87.8950, 5.2700, 14.6300



85.1470, 21.2750, -5.6130



74.5970, -41.7660, -14.0060

Complementary

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



87.8950, 5.2700, 14.6300



96.1050, -5.2700, -14.6300

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.



77.4540, -25.3060, -14.9540



87.8950, 5.2700, 14.6300



83.1130, 9.4470, -11.5210

Square

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



87.8950, 5.2700, 14.6300



86.1250, 27.5090, 2.5570



80.7350, -7.1040, -14.4320



75.9160, -43.9220, -7.9700

Rectangle

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



87.8950, 5.2700, 14.6300



87.5520, 25.1690, 11.9290



80.7350, -7.1040, -14.4320



75.4080, -36.8600, -14.8120

Sweetspot

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



87.8950, 5.2700, 14.6300



132.9450, 1.8330, 5.3290



83.3550, -11.0050, 6.7150



66.5920, 1.3290, 3.4490



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



87.8950, 5.2700, 14.6300



110.0190, 8.1570, 22.8850



88.2500, 11.4600, 12.5800



50.1790, 1.0540, 2.9260



42.6400, 20.8510, 57.1630



88.9260, 42.9390, 119.4430

Inverse Universe

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



86.5400, 16.2750, 7.9150



107.8510, 25.7650, 12.1410



95.7500, -11.4600, -12.5800



49.9080, 3.2550, 1.5830



37.1490, 63.6330, 30.7130



77.9290, 132.8590, 64.6910

Previews

White Background



This preview shows how the YIQ color 87.8950, 5.2700, 14.6300 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 87.8950, 5.2700, 14.6300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

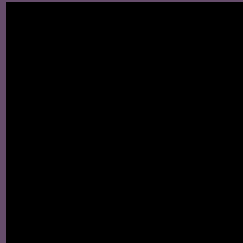
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.8950, 5.2700, 14.6300

Background



This preview shows how black text looks on a background with the YIQ color 87.8950, 5.2700, 14.6300.



This preview shows how white text looks on a background with the YIQ color 87.8950, 5.2700,

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

87.8950, 5.2700, 14.6300

Protanopia

86.0990, -13.1600, 7.2240

Deuteranopia

86.5080, -7.0620, 6.8420



Tritanopia

87.0660, 8.8020, 5.6820

Trichromacy



Original Color

87.8950, 5.2700, 14.6300

Protanomaly

86.8010, -6.3290, 10.0790

Deuteranomaly

86.8400, -2.0650, 9.8950

Tritanomaly

87.5760, 7.4260, 8.5940

Monochromacy



Original Color

87.8950, 5.2700, 14.6300

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.9450, 1.8330, 5.3290

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.8950, 5.2700, 14.6300 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(102, 77, 107)` looks like.

```
.text, #text, p{  
    color:rgb(102, 77, 107)  
}
```

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(102, 77, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 77, 107) }
```

Border

The CSS property to change the border of an element to YIQ 87.8950, 5.2700, 14.6300 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(102, 77, 107) }
```


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

```
.border{ border-color:rgb(102, 77, 107) }
```

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

Here you see how a box with a 4 pixel rgb(102, 77, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 77, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 77, 107);  
box-shadow:4px 4px 4px 4px rgb(102, 77,  
107) }
```

Background

The CSS property to change the background color of an element to YIQ 87.8950, 5.2700, 14.6300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 77, 107) }
```

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

```
.background{ background-color: rgb(102, 77,  
107) }
```

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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