

Converting Colors

YIQ(87.5620, 46.7130, 40.0010)

Have a look what the booklet for
YIQ(87.5620, 46.7130, 40.0010)
contains.

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Color

**YIQ(87.5620, 46.7130,
40.0010)**

Conversions

Conversions Part 1

Format	Color
Hex	9D3168
RGB	157, 49, 104
RGB Percent	62%, 19%, 41%
CMY	0.3840, 0.8080, 0.5920
CMYK	0.00, 0.69, 0.34, 0.38
HSL	329°, 52%, 40%
HSV	329°, 69%, 62%
XYZ	17.5161, 10.3686, 14.1845
YIQ	87.5620, 46.7130, 40.0010

Conversions

Conversions Part 2

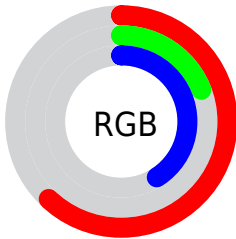
Format	Color
RYB	157, 49, 104
Decimal	10301800
CIELab	38.50, 49.64, -7.43
CIElCh	38, 50.191, 351.489
Yxy	10.3686, 0.4164, 0.2465
Android (android.graphics.Color)	4288491880 (0xFF9D3168)
YUV	87.5620, 8.1039, 60.8971
Hunter-Lab	32.2004, 40.7483, -3.5775

Details

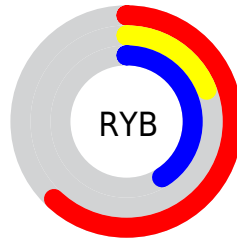
The YIQ color **87.5620, 46.7130, 40.0010** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **118.4380, -46.7130, -40.0010**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.4160, 50.0600, 39.9160**, and **36.6970, 41.8990, 39.1390** is the 20% darker color. If you saturate the color by 10%, you get **77.2580, 53.6810, 45.8810**, and if you desaturate by 10%, it is **97.8660, 39.7450, 34.1210**.

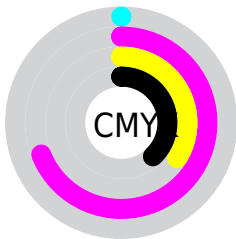
Distribution



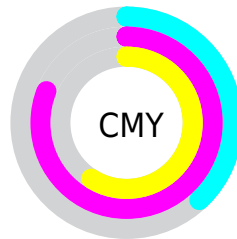
- Red (62%)
- Green (19%)
- Blue (41%)



- Red (62%)
- Yellow (19%)
- Blue (41%)



- Cyan (0%)
- Magenta (69%)
- Yellow (34%)
- Black (38%)



- Cyan (38%)
- Magenta (81%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.5620, 46.7130, 40.0010 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 87.5620, 46.7130, 40.0010 by changing the saturation by 10% instead.

87.5620, 46.7130,
40.0010

87.5620, 46.7130,
40.0010

255.0000, -0.0000,
-0.0000

57.6700, 46.5290,
43.3370

142.4160, 50.0600,
39.9160

36.6970, 41.8990,
39.1390

170.0140, 51.2520,
40.3400

26.2300, 32.5480,
26.8840

192.3440, 41.3950,
37.2590

16.7310, 26.2230,
14.8550

211.9720, 24.7070,
31.3230

0.0000, 0.0000,
0.0000

230.9330, 11.2750,
21.4430

247.9560, 3.3000,

6.2760

■ 87.5620, 46.7130,
40.0010

■ 87.5620, 46.7130,
40.0010

■ 77.2580, 53.6810,
45.8810

■ 97.8660, 39.7450,
34.1210

■ 67.6550, 60.0530,
51.5490

■ 107.4690, 33.3730,
28.4530

■ 57.3510, 67.0210,
57.4290

■ 117.7730, 26.4050,
22.5730

■ 56.0630, 67.8920,
58.1640

■ 128.0770, 19.4370,
16.6930

■ 137.7940, 12.7440,
11.3360

■ 147.9840, 6.0970,
5.1450

■ 158.2880, -0.8710,
-0.7350

■ 168.5920, -7.8390,
-6.6150

■ 178.1950,
-14.2110, -12.2830

Harmonies

Analogous

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



93.2020, 12.5560, 36.7800



87.5620, 46.7130, 40.0010



84.9700, 62.5790, 27.7870

Triad

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



87.5620, 46.7130, 40.0010



81.4570, 22.1970, -33.3470



80.3650, -78.8590, -8.0670

Complementary

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



87.5620, 46.7130, 40.0010



118.4380, -46.7130, -40.0010

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.



77.5490, -68.1740, -19.9980



87.5620, 46.7130, 40.0010



72.6160, -26.7230, -38.8430

Square

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



87.5620, 46.7130, 40.0010



85.4760, 47.5490, -19.2270



72.1740, -54.4170, -32.5370



77.6070, -82.1160, 1.4040

Rectangle

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



87.5620, 46.7130, 40.0010



86.1850, 62.8110, 12.5630



72.1740, -54.4170, -32.5370



79.8120, -75.9240, -11.7000

Sweetspot

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



87.5620, 46.7130, 40.0010



176.3650, 18.5660, 15.9580



76.8600, -3.6760, 44.6120



85.8430, 11.0480, 9.0320



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000

Same Dimension

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



87.5620, 46.7130, 40.0010



95.3350, 73.1180, 62.5740



81.5200, 63.7260, 23.5180



73.8480, 3.4840, 2.9400



51.0790, 61.7950, 53.0190



5.3970, 6.3720, 5.6680

Inverse Universe

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



87.5620, 46.7130, 40.0010



95.3350, 73.1180, 62.5740



124.4800, -63.7260, -23.5180



73.8480, 3.4840, 2.9400



51.0790, 61.7950, 53.0190



5.3970, 6.3720, 5.6680

Previews

White Background



This preview shows how the YIQ color 87.5620, 46.7130, 40.0010 looks on a white background.

Color Contrast Check

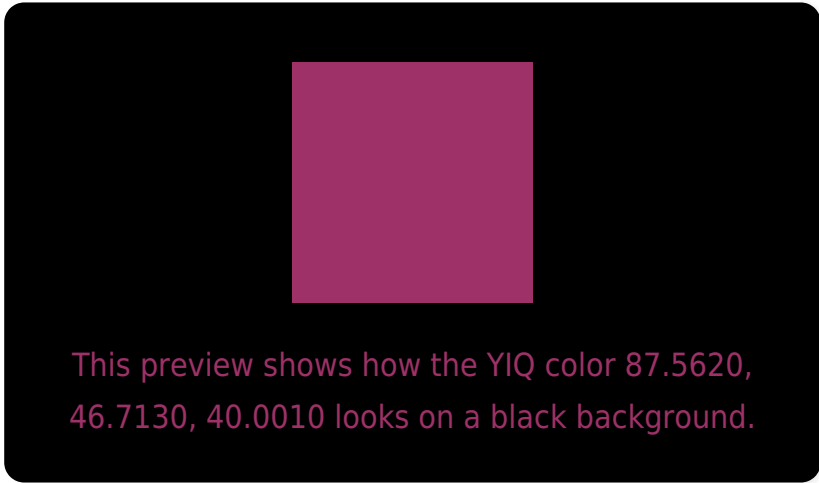
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

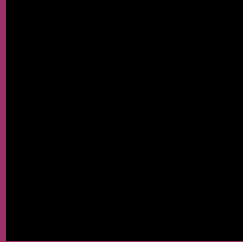
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.5620, 46.7130, 40.0010

Background



This preview shows how black text looks on a background with the YIQ color 87.5620, 46.7130, 40.0010.



This preview shows how white text looks on a background with the YIQ color 87.5620, 46.7130,

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

87.5620, 46.7130, 40.0010

Protanopia

91.2000, -20.6340, 10.5180

Deuteranopia

92.4180, 1.8790, 4.4950



Tritanopia

87.8610, 55.3360, 21.3840

Trichromacy



Original Color

87.5620, 46.7130, 40.0010

Protanomaly

89.9260, 3.9850, 21.4010

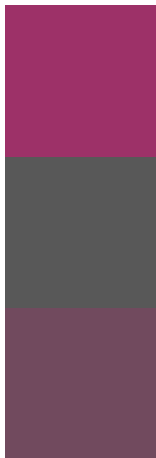
Deuteranomaly

90.4190, 18.4740, 17.6260

Tritanomaly

87.5220, 52.2170, 28.3530

Monochromacy



Original Color

87.5620, 46.7130, 40.0010

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.9410, 16.8240, 14.4880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.5620, 46.7130, 40.0010 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(157, 49, 104)` looks like.

```
.text, #text, p{  
    color:rgb(157, 49, 104)  
}
```

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(157, 49, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 49, 104) }
```

Border

The CSS property to change the border of an element to YIQ 87.5620, 46.7130, 40.0010 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(157, 49, 104) }
```


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

```
.border{ border-color:rgb(157, 49, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 49, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 49, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 49, 104);  
box-shadow:4px 4px 4px 4px rgb(157, 49,  
104) }
```

Background

The CSS property to change the background color of an element to YIQ 87.5620, 46.7130, 40.0010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 49, 104) }
```

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

```
.background{ background-color: rgb(157, 49,  
104) }
```

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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