

Converting Colors

YIQ(81.6080, 66.2940, 21.0300)

Have a look what the booklet for
YIQ(81.6080, 66.2940, 21.0300)
contains.

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Color

**YIQ(81.6080, 66.2940,
21.0300)**

Conversions

Conversions Part 1

Format	Color
Hex	9E322C
RGB	158, 50, 44
RGB Percent	62%, 20%, 17%
CMY	0.3801, 0.8041, 0.8272
CMYK	0.00, 0.68, 0.72, 0.38
HSL	3°, 56%, 40%
HSV	3°, 72%, 62%
XYZ	15.7078, 9.7353, 3.4408
YIQ	81.6080, 66.2940, 21.0300

Conversions

Conversions Part 2

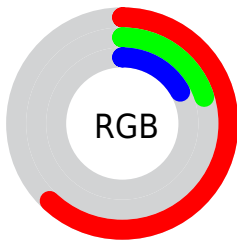
Format	Color
R_{YB}	158, 50, 44
Decimal	10367532
CIE _{Lab}	37.36, 44.37, 28.77
CIE _{LCh}	37, 52.886, 32.962
Yxy	9.7353, 0.5438, 0.3370
Android (android.graphics.Color)	4288557612 (0xFF9E322C)
YUV	81.6080, -18.5407, 66.9958
Hunter-Lab	31.2015, 35.2599, 15.3027

Details

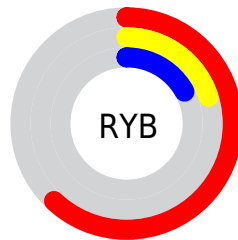
The YIQ color **81.6080, 66.2940, 21.0300** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **120.3920, -66.2940, -21.0300**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **135.9030, 72.7130, 20.3370**, and **29.9000, 59.6000, 21.2000** is the 20% darker color. If you saturate the color by 10%, you get **70.9790, 75.5550, 23.8990**, and if you desaturate by 10%, it is **92.2370, 57.0330, 18.1610**.

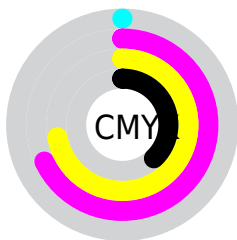
Distribution



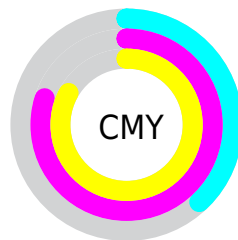
- Red (62%)
- Green (20%)
- Blue (17%)



- Red (62%)
- Yellow (20%)
- Blue (17%)



- Cyan (0%)
- Magenta (68%)
- Yellow (72%)
- Black (38%)



- Cyan (38%)
- Magenta (80%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 81.6080, 66.2940, 21.0300 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 81.6080, 66.2940, 21.0300 by changing the saturation by 10% instead.

■ 81.6080, 66.2940,
21.0300

■ 81.6080, 66.2940,
21.0300

255.0000, -0.0000,
-0.0000

■ 53.5200, 63.7260,
23.5180

■ 135.9030, 72.7130,
20.3370

■ 29.9000, 59.6000,
21.2000

■ 163.2840, 76.0140,
21.0860

■ 21.2290, 42.3160,
15.0520

■ 183.7770, 64.1400,
16.0120

■ 13.5690, 26.4990,
9.8510

■ 203.2910, 47.7730,
9.7650

■ 0.0000, 0.0000,
0.0000

■ 222.8050, 31.4060,
3.5180

■ 243.0200, 14.4430,

-2.9410

254.5440, 1.2840,
-1.2440

■ 81.6080, 66.2940,
21.0300

■ 81.6080, 66.2940,
21.0300

■ 70.9790, 75.5550,
23.8990

■ 92.2370, 57.0330,
18.1610

■ 60.3500, 84.8160,
26.7680

■ 102.8660, 47.7720,
15.2920

■ 51.9380, 91.9680,
29.3120

■ 113.3810, 38.8320,
12.1120

■ 124.0100, 29.5710,
9.2430

■ 134.6390, 20.3100,
6.3740

■ 145.2680, 11.0490,
3.5050

■ 155.8970, 1.7880,
0.6360

■ 166.5260, -7.4730,
-2.2330

■ 177.0410,
-16.4130, -5.4130

Harmonies

Analogous

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



81.1350, 58.2210, 40.6930



81.6080, 66.2940, 21.0300



82.6400, 62.1270, -8.0890

Triad

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



81.6080, 66.2940, 21.0300



66.4060, -43.6870, -39.7750



73.8400, -81.1540, 5.9980

Complementary

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



81.6080, 66.2940, 21.0300



120.3920, -66.2940, -21.0300

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.



78.5700, -80.6940, -2.3420



81.6080, 66.2940, 21.0300



73.1830, -58.6360, -27.6600

Square

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



81.6080, 66.2940, 21.0300



75.1670, 8.2140, -38.7460



77.3840, -71.8430, -14.0750



88.8870, -17.4740, 30.3500

Rectangle

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



81.6080, 66.2940, 21.0300



83.1060, 45.7150, -19.0290



77.3840, -71.8430, -14.0750



76.0740, -81.9330, 3.5950

Sweetspot

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



81.6080, 66.2940, 21.0300



175.9280, 26.8660, 8.7060



90.3980, 33.2760, 57.7560



86.5460, 16.1380, 4.8900



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



81.6080, 66.2940, 21.0300



86.1030, 104.8050, 33.4530



115.0670, 50.6190, -8.7810



73.9790, 4.4930, 1.1730



46.8660, 83.3030, 26.6550



5.0720, 8.6650, 2.6570

Inverse Universe

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



120.3920, -66.2940, -21.0300



147.3100, -104.5300, -32.9300



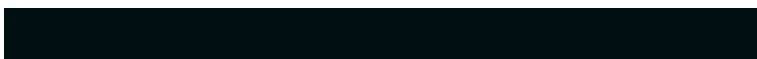
86.9330, -50.6190, 8.7810



76.6080, -4.7680, -1.6960



95.5470, -83.0280, -26.1320



10.5150, -8.9400, -3.1800

Previews

White Background



This preview shows how the YIQ color 81.6080, 66.2940, 21.0300 looks on a white background.

Color Contrast Check

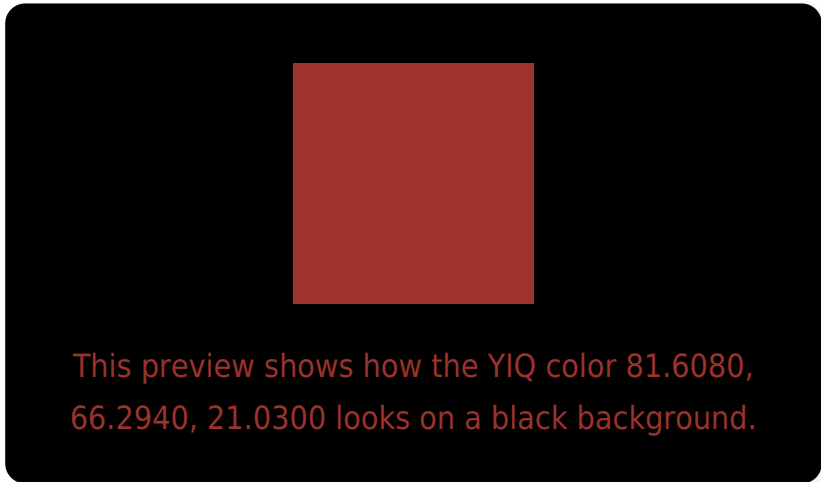
Large Text (above 18pt) WCAG AA ✓ Pass

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

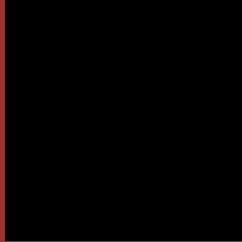
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 81.6080, 66.2940, 21.0300

Background



This preview shows how black text looks on a background with the YIQ color 81.6080, 66.2940, 21.0300.



This preview shows how white text looks on a background with the YIQ color 81.6080, 66.2940,

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

81.6080, 66.2940, 21.0300

Protanopia

87.7440, 15.0400, -8.2560

Deuteranopia

87.0030, 30.3080, -9.6280



Tritanopia

81.8190, 64.3220, 23.7300

Trichromacy



Original Color

81.6080, 66.2940, 21.0300

Protanomaly

85.5340, 33.6070, 2.1750

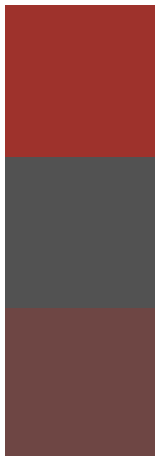
Deuteranomaly

84.7970, 43.0520, 1.7080

Tritanomaly

81.4770, 65.2850, 22.7970

Monochromacy



Original Color

81.6080, 66.2940, 21.0300

Achromatopsia

82.0000, 0.0000, -0.0000

Achromatomaly

81.7320, 24.4820, 7.8580

CSS Examples

Text

The CSS property to change the color of the text to YIQ 81.6080, 66.2940, 21.0300 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(158, 50, 44)` looks like.

```
.text, #text, p{  
    color:rgb(158, 50, 44)  
}
```

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(158, 50, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 50, 44) }
```

Border

The CSS property to change the border of an element to YIQ 81.6080, 66.2940, 21.0300 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(158, 50, 44) }
```


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

```
.border{ border-color:rgb(158, 50, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 50, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 50, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 50, 44);  
box-shadow:4px 4px 4px 4px rgb(158, 50,  
44) }
```

Background

The CSS property to change the background color of an element to YIQ 81.6080, 66.2940, 21.0300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 50, 44) }
```

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

```
.background{ background-color: rgb(158, 50,  
44) }
```

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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