

Converting Colors

YIQ(49.9500, 38.9680, 20.6640)

Have a look what the booklet for
YIQ(49.9500, 38.9680, 20.6640)
contains.

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Color

**YIQ(49.9500, 38.9680,
20.6640)**

Conversions

Conversions Part 1

Format	Color
Hex	641A2A
RGB	100, 26, 42
RGB Percent	39%, 10%, 16%
CMY	0.6077, 0.8981, 0.8352
CMYK	0.00, 0.74, 0.58, 0.61
HSL	347°, 59%, 25%
HSV	347°, 74%, 39%
XYZ	6.0481, 3.6169, 2.5733
YIQ	49.9500, 38.9680, 20.6640

Conversions

Conversions Part 2

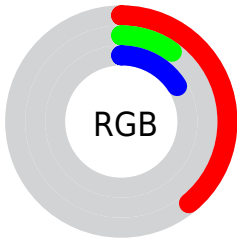
Format	Color
R_{YB}	100, 26, 42
Decimal	6560298
CIE _{Lab}	22.36, 34.26, 8.75
CIE _{LCh}	22, 35.361, 14.321
Yxy	3.6169, 0.4942, 0.2955
Android (android.graphics.Color)	4284750378 (0xFF641A2A)
YUV	49.9500, -3.9194, 43.8939
Hunter-Lab	19.0181, 23.4842, 5.2904

Details

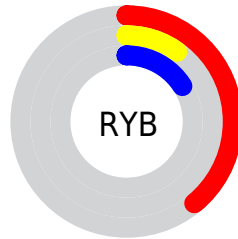
The YIQ color **49.9500, 38.9680, 20.6640** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **76.0500, -38.9680, -20.6640**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **100.2880, 43.8280, 20.6920**, and **14.9500, 29.8000, 10.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.1680, 44.2860, 23.4060**, and if you desaturate by 10%, it is **56.7320, 33.6500, 17.9220**.

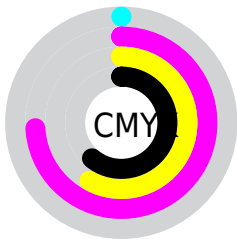
Distribution



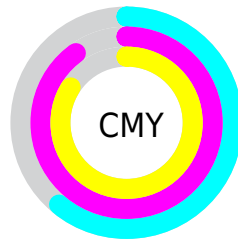
- Red (39%)
- Green (10%)
- Blue (16%)



- Red (39%)
- Yellow (10%)
- Blue (16%)



- Cyan (0%)
- Magenta (74%)
- Yellow (58%)
- Black (61%)



- Cyan (61%)
- Magenta (90%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.9500, 38.9680, 20.6640 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 49.9500, 38.9680, 20.6640 by changing the saturation by 10% instead.

■ 49.9500, 38.9680,
20.6640

■ 49.9500, 38.9680,
20.6640

■ 255.0000, -0.0000,
-0.0000

■ 24.6340, 37.0420,
22.5300

■ 100.2880, 43.8280,
20.6920

■ 14.9500, 29.8000,
10.6000

■ 126.6580, 45.6620,
20.4940

■ 0.8970, 1.7880,
0.6360

■ 152.9680, 47.7250,
21.6530

■ 0.0000, 0.0000,
0.0000


■ 180.4520, 49.2380,
21.7660


■ 203.5650, 41.4900,
19.0100


■ 223.1930, 24.8020,


13.0740


 243.4080, 7.8390,
6.6150


 49.9500, 38.9680,
20.6640


 49.9500, 38.9680,
20.6640


 43.1680, 44.2860,
23.4060


 56.7320, 33.6500,
17.9220


 36.3860, 49.6040,
26.1480

 63.5140, 28.3320,
15.1800

 32.4080, 52.5380,
28.0420

 70.2960, 23.0140,
12.4380

 76.9640, 18.0170,
9.3850

 83.7460, 12.6990,
6.6430

■ 90.5280, 7.3810,
3.9010

■ 97.3100, 2.0630,
1.1590

■ 104.0920, -3.2550,
-1.5830

■ 110.8740, -8.5730,
-4.3250

Harmonies

Analogous

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



51.9950, 25.9000, 26.2200



49.9500, 38.9680, 20.6640



50.2900, 40.3460, 6.6980

Triad

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



49.9500, 38.9680, 20.6640



44.6390, -7.1940, -23.8180



47.0760, -49.8840, 0.9640

Complementary

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



49.9500, 38.9680, 20.6640



76.0500, -38.9680, -20.6640

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.



47.8280, -46.4900, -5.4820



49.9500, 38.9680, 20.6640



42.4870, -30.0730, -22.1770

Square

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



49.9500, 38.9680, 20.6640



49.3170, 17.3800, -17.6280



45.6790, -39.0610, -13.4690



47.5770, -37.8730, 9.0630

Rectangle

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



49.9500, 38.9680, 20.6640



50.0580, 37.6430, -4.8930



45.6790, -39.0610, -13.4690



47.9080, -49.4710, -1.0150

Sweetspot

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



49.9500, 38.9680, 20.6640



110.4690, 15.0370, 8.3250



51.4790, 10.2180, 35.0980



54.5390, 8.8480, 4.8480



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



49.9500, 38.9680, 20.6640



51.5340, 61.1110, 32.3670



59.8660, 38.6040, 5.2280



47.6090, 2.6590, 1.3710



37.2350, 60.5150, 32.1550



78.4000, 127.2190, 67.7870

Inverse Universe

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



49.9500, 38.9680, 20.6640



51.5340, 61.1110, 32.3670



66.1340, -38.6040, -5.2280



47.6090, 2.6590, 1.3710



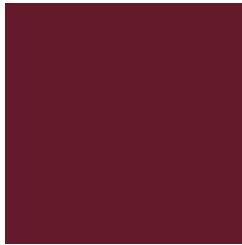
37.2350, 60.5150, 32.1550



78.4000, 127.2190, 67.7870

Previews

White Background



This preview shows how the YIQ color 49.9500, 38.9680, 20.6640 looks on a white background.

Color Contrast Check

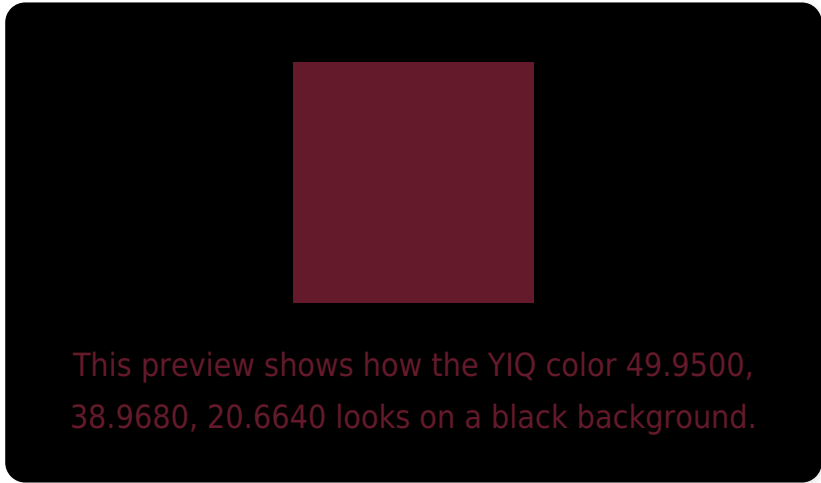
Large Text (above 18pt) WCAG AA ✓ Pass

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

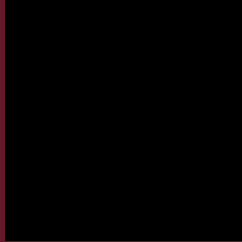
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.9500, 38.9680, 20.6640

Background



This preview shows how black text looks on a background with the YIQ color 49.9500, 38.9680, 20.6640.



This preview shows how white text looks on a background with the YIQ color 49.9500, 38.9680,

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

49.9500, 38.9680, 20.6640

Protanopia

55.4130, 0.2750, 0.5230

Deuteranopia

55.1770, 12.5630, -1.9090



Tritanopia

50.0440, 41.3990, 15.1510

Trichromacy



Original Color

49.9500, 38.9680, 20.6640

Protanomaly

53.1700, 14.4410, 8.1130

Deuteranomaly

53.0090, 22.1440, 6.1760

Tritanomaly

49.9130, 40.3900, 16.9180

Monochromacy



Original Color

49.9500, 38.9680, 20.6640

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.7570, 14.1660, 7.5900

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.9500, 38.9680, 20.6640 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(100, 26, 42)` looks like.

```
.text, #text, p{  
    color:rgb(100, 26, 42)  
}
```

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(100, 26, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 26, 42) }
```

Border

The CSS property to change the border of an element to YIQ 49.9500, 38.9680, 20.6640 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(100, 26, 42) }
```


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

```
.border{ border-color:rgb(100, 26, 42) }
```

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

Here you see how a box with a 4 pixel rgb(100, 26, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 26, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 26, 42);  
box-shadow:4px 4px 4px 4px rgb(100, 26,  
42) }
```

Background

The CSS property to change the background color of an element to YIQ 49.9500, 38.9680, 20.6640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 26, 42) }
```

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

```
.background{ background-color: rgb(100, 26,  
42) }
```

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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