

Converting Colors

YIQ(38.3760, 20.0330, 16.9050)

Have a look what the booklet for
YIQ(38.3760, 20.0330, 16.9050)
contains.

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Color

**YIQ(38.3760, 20.0330,
16.9050)**

Conversions

Conversions Part 1

Format	Color
Hex	44162D
RGB	68, 22, 45
RGB Percent	27%, 9%, 18%
CMY	0.7332, 0.9138, 0.8235
CMYK	0.00, 0.68, 0.34, 0.73
HSL	330°, 51%, 18%
HSV	330°, 68%, 27%
XYZ	3.1466, 1.9927, 2.7030
YIQ	38.3760, 20.0330, 16.9050

Conversions

Conversions Part 2

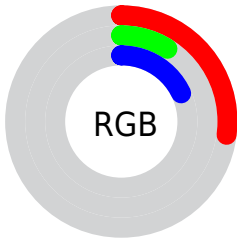
Format	Color
RYB	68, 22, 45
Decimal	4462125
CIELab	15.45, 24.99, -4.12
CIELCh	15, 25.329, 350.637
Yxy	1.9927, 0.4012, 0.2541
Android (android.graphics.Color)	4282652205 (0xFF44162D)
YUV	38.3760, 3.2656, 25.9802
Hunter-Lab	14.1165, 15.0843, -1.4713

Details

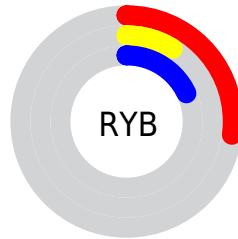
The YIQ color **38.3760, 20.0330, 16.9050** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **51.6240, -20.0330, -16.9050**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **85.5720, 22.4170, 17.7530**, and **4.1860, 8.3440, 2.9680** is the 20% darker color. If you saturate the color by 10%, you get **33.9250, 22.9210, 19.6330**, and if you desaturate by 10%, it is **42.8270, 17.1450, 14.1770**.

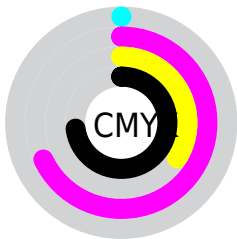
Distribution



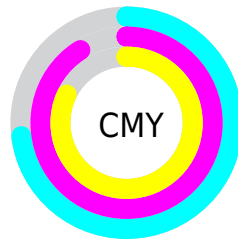
- Red (27%)
- Green (9%)
- Blue (18%)



- Red (27%)
- Yellow (9%)
- Blue (18%)



- Cyan (0%)
- Magenta (68%)
- Yellow (34%)
- Black (73%)



- Cyan (73%)
- Magenta (91%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.3760, 20.0330, 16.9050 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 38.3760, 20.0330, 16.9050 by changing the saturation by 10% instead.

■ 38.3760, 20.0330,
16.9050

■ 38.3760, 20.0330,
16.9050

■ 254.4130, 0.2750,
0.5230

■ 16.3050, 18.7950,
17.3150

■ 85.5720, 22.4170,
17.7530

■ 4.1860, 8.3440,
2.9680

■ 110.4690, 24.2050,
18.3890

■ 0.0000, 0.0000,
0.0000

■ 136.1810, 25.0760,
19.1240

■ 162.4800, 25.6720,
19.3360

■ 190.0780, 26.8640,
19.7600

■ 217.1920, 26.5430,

20.0710

236.9340, 9.5340,
14.4460

38.3760, 20.0330,
16.9050

38.3760, 20.0330,
16.9050

33.9250, 22.9210,
19.6330

42.8270, 17.1450,
14.1770

29.3600, 26.1300,
22.0500

47.3920, 13.9360,
11.7600

25.4960, 28.7430,
24.2550

51.2560, 11.3230,
9.5550

24.2080, 29.6140,
24.9900

55.8210, 8.1140,
7.1380

60.2720, 5.2260,
4.4100

■ 64.7230, 2.3380,
1.6820

■ 69.2880, -0.8710,
-0.7350

■ 73.1520, -3.4840,
-2.9400

■ 77.7170, -6.6930,
-5.3570

Harmonies

Analogous

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



39.9490, 5.1780, 16.2980



38.3760, 20.0330, 16.9050



37.2210, 27.5990, 11.9430

Triad

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



38.3760, 20.0330, 16.9050



35.1300, 10.7770, -13.5990



34.5260, -33.8360, -3.5320

Complementary

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



38.3760, 20.0330, 16.9050



51.6240, -20.0330, -16.9050

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.



33.4030, -29.2960, -8.7200



38.3760, 20.0330, 16.9050



31.8980, -9.1210, -16.4250

Square

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



38.3760, 20.0330, 16.9050



36.9790, 21.6880, -7.5920



31.2370, -23.1970, -14.6290



33.0900, -35.3040, 1.0480

Rectangle

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



38.3760, 20.0330, 16.9050



37.4180, 28.2420, 5.7940



31.2370, -23.1970, -14.6290



34.0700, -32.5520, -4.7760

Sweetspot

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



38.3760, 20.0330, 16.9050



77.4080, 7.8390, 6.6150



33.8220, -1.6540, 18.9700



38.8590, 4.9510, 3.8870



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



38.3760, 20.0330, 16.9050



42.6320, 31.3560, 26.4600



35.8680, 27.0950, 10.0630



31.0110, 1.4670, 0.9470



34.4750, 42.4040, 35.4920



79.7440, 97.5520, 82.3200

Inverse Universe

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



38.3760, 20.0330, 16.9050



42.6320, 31.3560, 26.4600



54.1320, -27.0950, -10.0630



31.0110, 1.4670, 0.9470



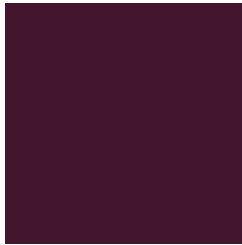
34.4750, 42.4040, 35.4920



79.7440, 97.5520, 82.3200

Previews

White Background



This preview shows how the YIQ color 38.3760, 20.0330, 16.9050 looks on a white background.

Color Contrast Check

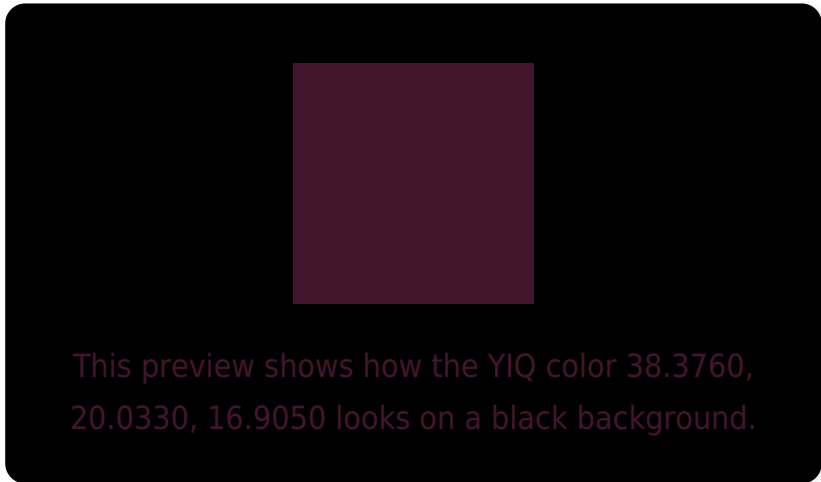
Large Text (above 18pt) WCAG AA ✓ Pass

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

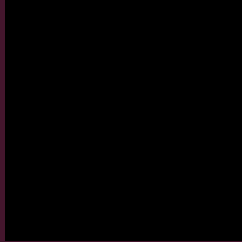
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.3760, 20.0330, 16.9050

Background



This preview shows how black text looks on a background with the YIQ color 38.3760, 20.0330, 16.9050.



This preview shows how white text looks on a background with the YIQ color 38.3760, 20.0330,

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

38.3760, 20.0330, 16.9050

Protanopia

39.5570, -8.7580, 4.5380

Deuteranopia

40.6520, 1.1000, 2.0920



Tritanopia

38.4870, 23.7940, 9.3140

Trichromacy



Original Color

38.3760, 20.0330, 16.9050

Protanomaly

39.1670, 1.3280, 8.9760

Deuteranomaly

39.9350, 7.7930, 7.4490

Tritanomaly

38.5840, 22.1430, 11.7030

Monochromacy



Original Color

38.3760, 20.0330, 16.9050

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

38.1090, 7.2430, 6.4030

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.3760, 20.0330, 16.9050 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(68, 22, 45)` looks like.

```
.text, #text, p{  
    color:rgb(68, 22, 45)  
}
```

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(68, 22, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 22, 45) }
```

Border

The CSS property to change the border of an element to YIQ 38.3760, 20.0330, 16.9050 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(68, 22, 45) }
```


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

```
.border{ border-color:rgb(68, 22, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 22, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 22, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 22, 45);  
box-shadow:4px 4px 4px 4px rgb(68, 22, 45)  
}
```

Background

The CSS property to change the background color of an element to YIQ 38.3760, 20.0330, 16.9050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 22, 45) }
```

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

```
.background{ background-color: rgb(68, 22,  
45) }
```

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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