

Converting Colors

YIQ(38.8420, 3.6210, 5.9650)

Have a look what the booklet for
YIQ(38.8420, 3.6210, 5.9650)
contains.

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Color

YIQ(38.8420, 3.6210, 5.9650)

Conversions

Conversions Part 1

Format	Color
Hex	2E222D
RGB	46, 34, 45
RGB Percent	18%, 13%, 18%
CMY	0.8196, 0.8667, 0.8235
CMYK	0.00, 0.26, 0.02, 0.82
HSL	305°, 15%, 16%
HSV	305°, 26%, 18%
XYZ	2.1727, 1.9143, 2.7378
YIQ	38.8420, 3.6210, 5.9650

Conversions

Conversions Part 2

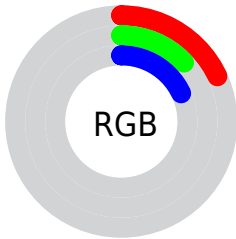
Format	Color
RYB	46, 34, 45
Decimal	3023405
CIELab	15.03, 8.15, -5.09
CIElCh	15, 9.608, 328.004
Yxy	1.9143, 0.3184, 0.2805
Android (android.graphics.Color)	4281213485 (0xFF2E222D)
YUV	38.8420, 3.0359, 6.2776
Hunter-Lab	13.8358, 3.8179, -2.0469

Details

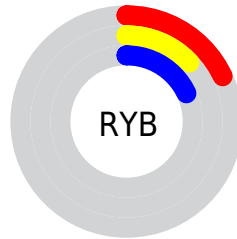
The YIQ color **38.8420, 3.6210, 5.9650** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **41.1580, -3.6210, -5.9650**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **83.6680, 4.1710, 7.0110**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **35.9070, 4.9960, 8.5800**, and if you desaturate by 10%, it is **41.7770, 2.2460, 3.3500**.

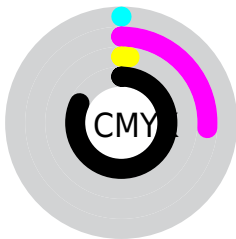
Distribution



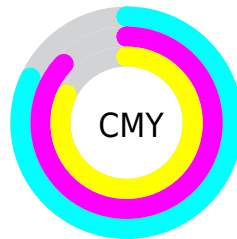
- Red (18%)
- Green (13%)
- Blue (18%)



- Red (18%)
- Yellow (13%)
- Blue (18%)



- Cyan (0%)
- Magenta (26%)
- Yellow (2%)
- Black (82%)



- Cyan (82%)
- Magenta (87%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.8420, 3.6210, 5.9650 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 38.8420, 3.6210, 5.9650 by changing the saturation by 10% instead.

■ 38.8420, 3.6210,
5.9650

■ 38.8420, 3.6210,
5.9650

■ 255.0000, -0.0000,
-0.0000

■ 17.6680, 4.1710,
7.0110

■ 83.6680, 4.1710,
7.0110

■ 0.0000, 0.0000,
0.0000

■ 107.9670, 4.7670,
7.2230

■ 133.0810, 4.4460,
7.5340

■ 159.3800, 5.0420,
7.7460

■ 186.3800, 5.0420,
7.7460

■ 214.3800, 5.0420,

7.7460

242.7930, 5.3170,
8.2690

38.8420, 3.6210,
5.9650

38.8420, 3.6210,
5.9650

35.9070, 4.9960,
8.5800

41.7770, 2.2460,
3.3500

33.4450, 6.4170,
10.3610

44.2390, 0.8250,
1.5690

30.5100, 7.7920,
12.9760

47.1740, -0.5500,
-1.0460

28.0480, 9.2130,
14.7570

49.6360, -1.9710,
-2.8270

25.1130, 10.5880,
17.3720

52.5710, -3.3460,
-5.4420

■ 22.1780, 11.9630,
19.9870

■ 55.5060, -4.7210,
-8.0570

■ 19.7160, 13.3840,
21.7680

■ 57.9680, -6.1420,
-9.8380

■ 18.5420, 13.9340,
22.8140

■ 60.9030, -7.5170,
-12.4530

■ 63.2510, -8.6170,
-14.5450

Harmonies

Analogous

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



38.1940, -3.3020, 4.7780



38.8420, 3.6210, 5.9650



38.9520, 9.1230, 5.3710

Triad

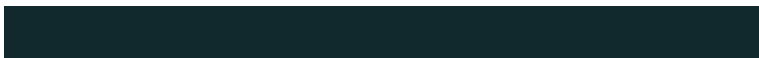
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.8420, 3.6210, 5.9650



37.3120, 7.7490, -2.7710



34.1660, -15.2670, -4.1550

Complementary

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



38.8420, 3.6210, 5.9650



41.1580, -3.6210, -5.9650

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.



34.5640, -10.6360, -5.4840



38.8420, 3.6210, 5.9650



36.6210, 2.3850, -4.6790

Square

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



38.8420, 3.6210, 5.9650



38.2740, 10.9120, 0.4800



35.8590, -4.2170, -6.1770



35.0460, -14.8090, -1.4410

Rectangle

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



38.8420, 3.6210, 5.9650



38.4960, 10.4070, 4.1270



35.8590, -4.2170, -6.1770



34.8240, -14.3040, -5.0880

Sweetspot

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



38.8420, 3.6210, 5.9650



55.9510, 1.6960, 2.3040



35.6670, -3.2560, 3.9440



29.1250, 1.1460, 1.2580



158.0000, -0.0000, 0.0000



31.0000, -0.0000, -0.0000

Same Dimension

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



38.8420, 3.6210, 5.9650



47.6190, 5.8670, 9.3150



38.1580, 5.5470, 4.0990



21.8260, 0.5500, 1.0460



35.0190, 26.4930, 43.0130



86.3300, 64.6280, 106.3240

Inverse Universe

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



38.8420, 3.6210, 5.9650



47.6190, 5.8670, 9.3150



41.8420, -5.5470, -4.0990



21.8260, 0.5500, 1.0460



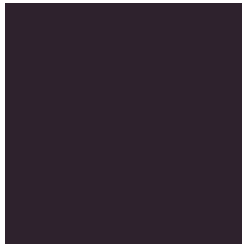
35.0190, 26.4930, 43.0130



86.3300, 64.6280, 106.3240

Previews

White Background



This preview shows how the YIQ color 38.8420, 3.6210, 5.9650 looks on a white background.

Color Contrast Check

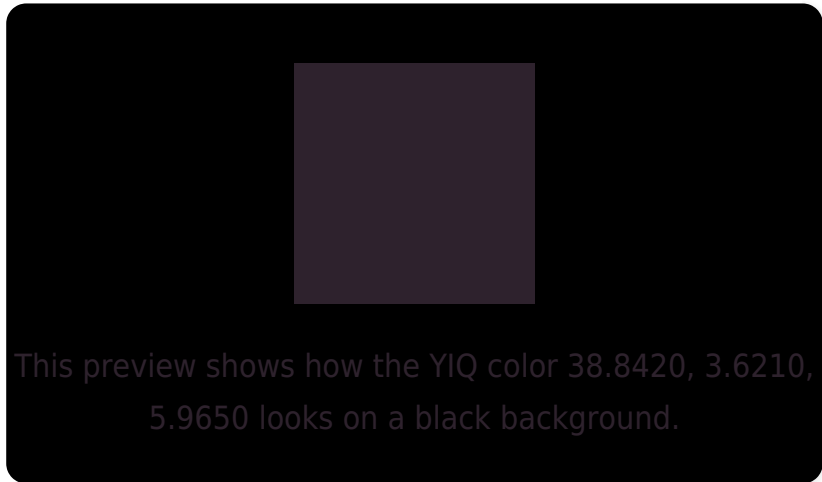
Large Text (above 18pt) WCAG AA ✓ Pass

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

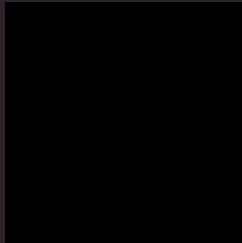
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.8420, 3.6210, 5.9650

Background



This preview shows how black text looks on a background with the YIQ color 38.8420, 3.6210, 5.9650.

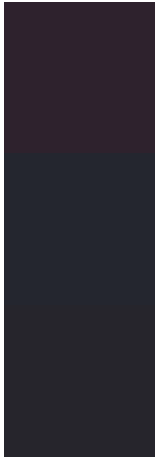


This preview shows how white text looks on a background with the YIQ color 38.8420, 3.6210, 5.9650.

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

38.8420, 3.6210, 5.9650

Protanopia

38.4280, -4.0810, 2.3750

Deuteranopia

38.0970, -1.6510, 2.3890



Tritanopia

38.3320, 4.9970, 3.0530

Trichromacy



Original Color

38.8420, 3.6210, 5.9650

Protanomaly

38.9230, -1.1010, 3.4350

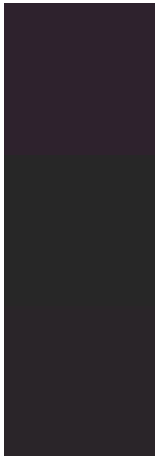
Deuteranomaly

38.4070, 0.4120, 3.5480

Tritanomaly

38.6740, 4.0340, 3.9860

Monochromacy



Original Color

38.8420, 3.6210, 5.9650

Achromatopsia

39.0000, -0.0000, -0.0000

Achromatomaly

38.9510, 1.6960, 2.3040

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.8420, 3.6210, 5.9650 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(46, 34, 45)` looks like.

```
.text, #text, p{  
    color:rgb(46, 34, 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(46, 34, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 34, 45) }
```

Border

The CSS property to change the border of an element to YIQ 38.8420, 3.6210, 5.9650 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(46, 34, 45) }
```

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

```
.border{ border-color:rgb(46, 34, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 34, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 34, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 34, 45);  
box-shadow:4px 4px 4px 4px rgb(46, 34, 45)  
}
```


Background

The CSS property to change the background color of an element to YIQ 38.8420, 3.6210, 5.9650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 34, 45) }
```

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

```
.background{ background-color: rgb(46, 34,  
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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