

Converting Colors

YIQ(87.9220, -18.8370,
-38.5890)

Have a look what the booklet for
YIQ(87.9220, -18.8370, -38.5890)
contains.

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Color

**YIQ(87.9220, -18.8370,
-38.5890)**

Conversions

Conversions Part 1

Format	Color
Hex	2E762B
RGB	46, 118, 43
RGB Percent	18%, 46%, 17%
CMY	0.8198, 0.5371, 0.8314
CMYK	0.61, 0.00, 0.64, 0.54
HSL	118°, 47%, 32%
HSV	118°, 64%, 46%
XYZ	8.0422, 13.7179, 4.5090
YIQ	87.9220, -18.8370, -38.5890

Conversions

Conversions Part 2

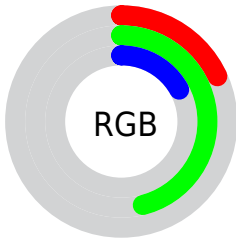
Format	Color
R_{YB}	43, 118, 115
Decimal	3044907
CIE _{Lab}	43.83, -38.36, 33.95
CIE _{LCh}	44, 51.230, 138.489
Yxy	13.7179, 0.3061, 0.5222
Android (android.graphics.Color)	4281234987 (0xFF2E762B)
YUV	87.9220, -22.1465, -36.7656
Hunter-Lab	37.0377, -26.0574, 18.7083

Details

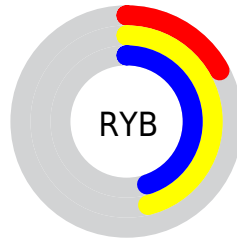
The YIQ color **87.9220, -18.8370, -38.5890** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **73.0780, 18.8370, 38.5890**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.7650, -16.9570, -39.6210**, and **39.9160, -18.7000, -35.5640** is the 20% darker color. If you saturate the color by 10%, you get **83.2650, -21.5410, -44.6530**, and if you desaturate by 10%, it is **92.5790, -16.1330, -32.5250**.

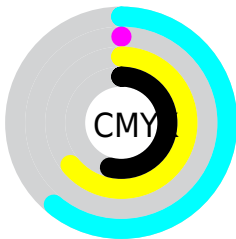
Distribution



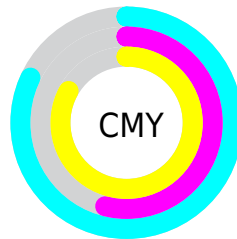
- Red (18%)
- Green (46%)
- Blue (17%)



- Red (17%)
- Yellow (46%)
- Blue (45%)



- Cyan (61%)
- Magenta (0%)
- Yellow (64%)
- Black (54%)



- Cyan (82%)
- Magenta (54%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.9220, -18.8370, -38.5890 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 87.9220, -18.8370, -38.5890 by changing the saturation by 10% instead.

■ 87.9220, -18.8370,
-38.5890

■ 87.9220, -18.8370,
-38.5890

■ 255.0000, -0.0000,
-0.0000

■ 60.6440, -23.9260,
-39.9740

■ 140.7650,
-16.9570, -39.6210

■ 40.5030, -18.9750,
-36.0870

■ 168.1240,
-16.5900, -40.7660

■ 27.0020, -12.6500,
-24.0580

■ 195.5970,
-16.5440, -41.6000

■ 12.9140, -6.0500,
-11.5060

■ 223.4830,
-16.2230, -41.9110

■ 0.0000, 0.0000,
0.0000

■ 235.3460, -7.9270,
-27.0550

■ 247.2090, 0.3690,

-12.1990

■ 87.9220, -18.8370,
-38.5890

■ 87.9220, -18.8370,
-38.5890

■ 83.2650, -21.5410,
-44.6530

■ 92.5790, -16.1330,
-32.5250

■ 78.3090, -24.8410,
-50.9290

■ 97.5350, -12.8330,
-26.2490

■ 73.7660, -27.8660,
-56.6820

■ 102.0780, -9.8080,
-20.4960

■ 70.7610, -29.4700,
-60.6540

■ 106.7350, -7.1040,
-14.4320

■ 111.6910, -3.8040,
-8.1560

■ 116.3480, -1.1000,
-2.0920

■ 121.0050, 1.6040,
3.9720

■ 125.8470, 5.2250,
9.9370

■ 130.5040, 7.9290,
16.0010

Harmonies

Analogous

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



94.0400, 27.7450, -34.7750



87.9220, -18.8370, -38.5890



81.3040, -60.8350, -37.3710

Triad

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



87.9220, -18.8370, -38.5890



87.6490, -91.1020, -0.9420



99.8070, 64.5960, 29.7800

Complementary

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



87.9220, -18.8370, -38.5890



73.0780, 18.8370, 38.5890

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.



102.3170, 46.0250, 41.4570



87.9220, -18.8370, -38.5890



99.8340, -45.4860, 20.3860

Square

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



87.9220, -18.8370, -38.5890



90.0650, -86.8820, -11.3460



106.4620, 8.8880, 37.1760



99.9800, 64.6460, 6.8380

Rectangle

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



87.9220, -18.8370, -38.5890



85.3110, -70.7400, -28.5640



106.4620, 8.8880, 37.1760



99.6420, 60.9270, 35.7030

Sweetspot

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



87.9220, -18.8370, -38.5890



141.3220, -7.3790, -14.9550



107.1020, 25.1750, -21.2330



69.8650, -4.3540, -9.2020



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000

Same Dimension

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



87.9220, -18.8370, -38.5890



106.2880, -29.5160, -59.8200



90.9010, -31.5390, -28.6510



56.5220, -1.6500, -3.1380



73.1090, -30.5700, -62.7460



149.7400, -62.7900, -128.6300

Inverse Universe

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



73.0780, 18.8370, 38.5890



83.4130, 28.9200, 59.6080



70.0990, 31.5390, 28.6510



55.1790, 1.0540, 2.9260



49.1900, 31.1660, 62.9580



100.2600, 62.7900, 128.6300

Previews

White Background



This preview shows how the YIQ color 87.9220, -18.8370, -38.5890 looks on a white background.

Color Contrast Check

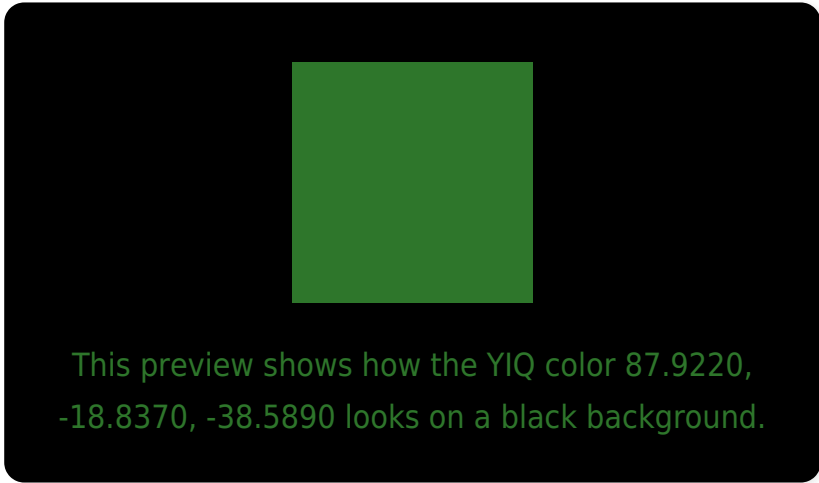
Large Text (above 18pt) WCAG AA ✓ Pass

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

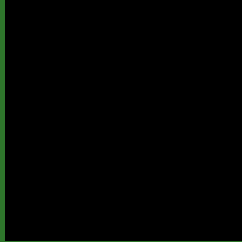
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.9220, -18.8370, -38.5890

Background



This preview shows how black text looks on a background with the YIQ color 87.9220, -18.8370, -38.5890.



This preview shows how white text looks on a background with the YIQ color 87.9220, -18.8370,

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

87.9220, -18.8370, -38.5890

Protanopia

99.2920, 27.6960, -17.3600

Deuteranopia

101.0850, 33.0130, -9.0910



Tritanopia

97.8590, -30.5800, -7.4760

Trichromacy



Original Color

87.9220, -18.8370, -38.5890

Protanomaly

94.8660, 11.1000, -24.9640

Deuteranomaly

96.2950, 14.4460, -19.5220

Tritanomaly

94.3350, -26.5890, -19.2370

Monochromacy



Original Color

87.9220, -18.8370, -38.5890

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

88.1480, -6.8290, -13.9090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.9220, -18.8370, -38.5890 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, 118, 43)` looks like.

```
.text, #text, p{  
    color:rgb(46, 118, 43)  
}
```

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, 118, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 118, 43) }
```

Border

The CSS property to change the border of an element to YIQ 87.9220, -18.8370, -38.5890 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, 118, 43) }
```


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

```
.border{ border-color:rgb(46, 118, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 118, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 118, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 118, 43);  
box-shadow:4px 4px 4px 4px rgb(46, 118,  
43) }
```

Background

The CSS property to change the background color of an element to YIQ 87.9220, -18.8370, -38.5890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 118, 43) }
```

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

```
.background{ background-color: rgb(46, 118,  
43) }
```

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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