Converting Colors

YIQ(48.5950, -63.5060, 27.5820)

Have a look what the booklet for YIQ(48.5950, -63.5060, 27.5820) contains.

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Color

YIQ(48.5950, -63.5060, 27.5820)

Conversions

Conversions Part 1

Format	Color
Hex	0530A6
RGB	5, 48, 166
RGB Percent	2%, 19%, 65%
CMY	0.9803, 0.8117, 0.3494
CMYK	0.97, 0.71, 0.00, 0.35
HSL	224°, 94%, 34%
HSV	224°, 97%, 65%
XYZ	7.9951, 4.8976, 36.5582
YIQ	48.5950, -63.5060, 27.5820

Conversions

Conversions Part 2

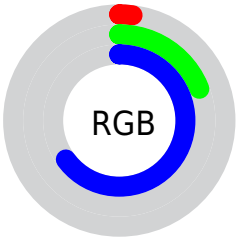
Format	Color
RYB	5, 39, 166
Decimal	340134
CIELab	26.44, 36.14, -65.83
CIELCh	26, 75.102, 298.767
Yxy	4.8976, 0.1617, 0.0990
Android (android.graphics.Color)	4278530214 (0xFF0530A6)
YUV	48.5950, 57.8807, -38.2328
Hunter-Lab	22.1305, 25.7585, -82.4521

Details

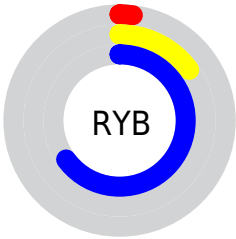
The YIQ color 48.5950, -63.5060, 27.5820 is a dark color, and the websafe version is hex 003399. A complement of this color would be 122.4050, 63.5060, -27.5820, and the grayscale version is 48.0000, -0.0000, 0.0000.

A 20% lighter version of the original color is 107.9940, -42.2800, 39.3840, and 17.5780, -38.4730, 30.9590 is the 20% darker color. If you saturate the color by 10%, you get 44.7520, -65.3860, 28.6140, and if you desaturate by 10%, it is 60.7220, -56.6740, 24.9100.

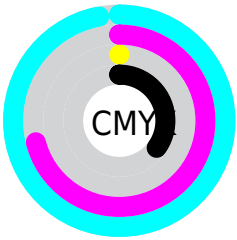
Distribution



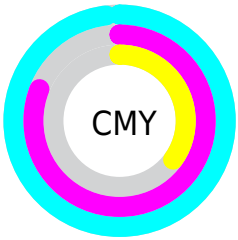
- Red (2%)
- Green (19%)
- Blue (65%)



- Red (2%)
- Yellow (15%)
- Blue (65%)



- Cyan (97%)
- Magenta (71%)
- Yellow (0%)
- Black (35%)



- Cyan (98%)
- Magenta (81%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.5950, -63.5060, 27.5820 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 48.5950, -63.5060, 27.5820 by changing the saturation by 10% instead.

48.5950, -63.5060, 27.5820

255.0000, -0.0000, -0.0000

107.9940, -42.2800, 39.3840

135.2440, -39.9880, 41.9000

159.6330, -31.1380, 35.6940

183.8650, -20.4080, 28.4560

209.2710, -10.2280, 20.1720

234.9760, 0.5480,

48.5950, -63.5060, 27.5820

31.6950, -52.0440, 29.1080

17.5780, -38.4730, 30.9590

9.9180, -27.9270, 27.0570

10.7040, -21.8730, 16.4550

6.3210, -13.6650, 10.8710

2.6390, -6.0530, 5.0750

0.0000, 0.0000,

12.1000

0.0000

48.5950, -63.5060, 27.5820

48.5950, -63.5060, 27.5820

44.7520, -65.3860, 28.6140

60.7220, -56.6740, 24.9100

72.5500, -50.4380, 22.0260

84.6770, -43.6060, 19.3540

97.0920, -37.6450, 15.9470

109.2190, -30.8130, 13.2750

121.3460, -23.9810, 10.6030

133.1740, -17.7450, 7.7190

145.3010, -10.9130, 5.0470

157.1290, -4.6770, 2.1630

Harmonies

Analogous

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

63.4850, -78.1760, 18.1120

48.5950, -63.5060, 27.5820

51.0980, 34.4210, 64.5410

Triad

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

48.5950, -63.5060, 27.5820

52.9140, 65.0120, 11.2200

54.8600, -41.4890, -24.5370

Complementary

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

48.5950, -63.5060, 27.5820

122.4050, 63.5060, -27.5820

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.

46.9600, -22.0000, -41.8400

48.5950, -63.5060, 27.5820

59.1400, 31.1800, -14.4200

Square

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

48.5950, -63.5060, 27.5820

45.8050, 85.2730, 35.0090

46.1290, -14.9860, -36.7940

62.0590, -60.3820, -7.0220

Rectangle

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

48.5950, -63.5060, 27.5820

54.1700, 60.2810, 58.4330

46.1290, -14.9860, -36.7940

52.4660, -34.7480, -31.0680

Sweetspot

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

48.5950, -63.5060, 27.5820

171.1610, -24.8980, 10.7020

112.6170, -81.1900, -48.4380

81.9030, -15.5440, 6.3760

237.0000, -0.0000, -0.0000

110.0000, 0.0000, 0.0000

Same Dimension

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

48.5950, -63.5060, 27.5820

58.7840, -85.6070, 37.1530

33.8190, -30.8210, 57.4910

78.0860, -3.1180, 1.4420

40.3520, -58.5080, 25.1080

5.2150, -7.7950, 3.6050

Inverse Universe

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

58.0410, 82.1530, 47.5050

71.4950, 110.7140, 64.0420

137.1810, 30.8210, -57.4910

78.6200, 4.1260, 2.3180

48.8120, 75.3680, 43.8160

6.5500, 10.3150, 5.7950

Previews

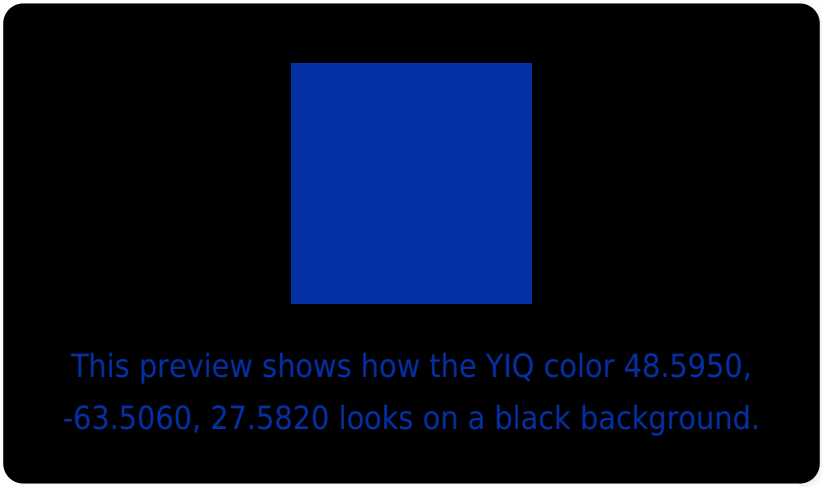
White Background

This preview shows how the YIQ color 48.5950, -63.5060, 27.5820 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 48.5950, -63.5060, 27.5820

Background

This preview shows how black text looks on a background with the YIQ color 48.5950, -63.5060, 27.5820.

This preview shows how white text looks on a background with the YIQ color 48.5950, -63.5060,

27.5820.

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
48.5950, -63.5060, 27.5820

Protanopia
50.3990, -57.8630, 7.9050

Deuteranopia
50.5810, -52.8640, -0.0960

Tritanopia
49.5260, -43.0040, -13.5960

Trichromacy

Original Color
48.5950, -63.5060, 27.5820

Protanomaly
49.6580, -59.7900, 15.2980

Deuteranomaly
50.0510, -56.7630, 9.9970

Tritanomaly
49.1900, -50.2050, 1.2750

Monochromacy

Original Color
48.5950, -63.5060, 27.5820

Achromatopsia
49.0000, -0.0000, -0.0000

Achromatomaly
49.1180, -23.3390, 9.9810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.5950, -63.5060, 27.5820 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(5, 48, 166) looks like.

```
.text, #text, p{
    color:rgb(5, 48, 166)
}
```

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(5, 48, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 48, 166) }
```

Border

The CSS property to change the border of an element to YIQ 48.5950, -63.5060, 27.5820 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(5, 48, 166) }
```

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

```
.border{ border-color:rgb(5, 48, 166) }
```

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

Here you see how a box with a 4 pixel rgb(5, 48, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(5, 48, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(5, 48, 166); box-shadow:4px 4px 4px 4px rgb(5, 48, 166) }
```

Background

The CSS property to change the background color of an element to YIQ 48.5950, -63.5060, 27.5820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(5, 48, 166) }
```

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

```
.background{ background-color:rgb(5, 48, 166) }
```

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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