

Converting Colors

YIQ(68.3380, -46.7250, 26.3230)

Have a look what the booklet for
YIQ(68.3380, -46.7250, 26.3230)
contains.

YIQ(68.3380, -46.7250, 26.3230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**YIQ(68.3380, -46.7250,
26.3230)**

Conversions

Conversions Part 1

Format	Color
Hex	2840A5
RGB	40, 64, 165
RGB Percent	16%, 25%, 65%
CMY	0.8431, 0.7490, 0.3532
CMYK	0.76, 0.61, 0.00, 0.35
HSL	228°, 61%, 40%
HSV	228°, 76%, 65%
XYZ	9.4945, 6.8333, 36.3838
YIQ	68.3380, -46.7250, 26.3230

Conversions

Conversions Part 2

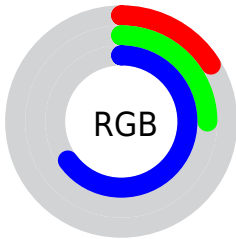
Format	Color
R _Y B	40, 60, 165
Decimal	2637989
CIE Lab	31.42, 27.58, -57.02
CIE LCh	31, 63.341, 295.814
Yxy	6.8333, 0.1801, 0.1296
Android (android.graphics.Color)	4280828069 (0xFF2840A5)
YUV	68.3380, 47.6544, -24.8524
Hunter-Lab	26.1405, 19.0872, -64.2246

Details

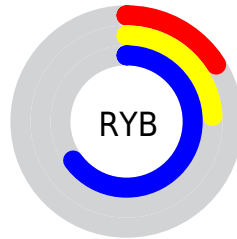
The YIQ color **68.3380, -46.7250, 26.3230** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **136.6620, 46.7250, -26.3230**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **121.4470, -39.4820, 32.7260**, and **26.2690, -42.2770, 22.8030** is the 20% darker color. If you saturate the color by 10%, you get **55.9230, -52.6860, 29.7300**, and if you desaturate by 10%, it is **81.0520, -40.1680, 23.1280**.

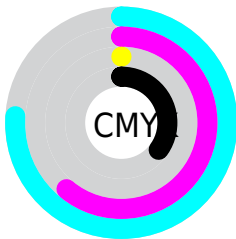
Distribution



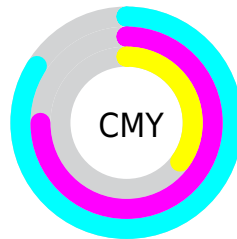
- Red (16%)
- Green (25%)
- Blue (65%)



- Red (16%)
- Yellow (24%)
- Blue (65%)



- Cyan (76%)
- Magenta (61%)
- Yellow (0%)
- Black (35%)



- Cyan (84%)
- Magenta (75%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.3380, -46.7250, 26.3230 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 68.3380, -46.7250, 26.3230 by changing the saturation by 10% instead.

■ 68.3380, -46.7250,
26.3230

■ 68.3380, -46.7250,
26.3230

■ 255.0000, -0.0000,
-0.0000

■ 40.3860, -55.8480,
20.9520

■ 121.4470,
-39.4820, 32.7260

■ 26.2690, -42.2770,
22.8030

■ 148.6860,
-38.6570, 34.2950

■ 9.9180, -27.9270,
27.0570

■ 173.1890,
-30.1280, 28.4000

■ 10.7040, -21.8730,
16.4550

■ 198.0080,
-19.6730, 20.6390

■ 6.3210, -13.6650,
10.8710

■ 223.1150,
-10.0890, 12.1430

■ 2.5250, -5.7320,
4.7640

■ 248.5210, 0.0910,

■ 0.0000, 0.0000,

3.8590

0.0000

■ 68.3380, -46.7250,
26.3230

■ 68.3380, -46.7250,
26.3230

■ 55.9230, -52.6860,
29.7300

■ 81.0520, -40.1680,
23.1280

■ 42.6220, -58.9680,
33.4480

■ 94.0540, -34.4820,
19.1980

■ 37.5940, -61.7650,
34.5790

■ 106.4690,
-28.5210, 15.7910

■ 119.1830,
-21.9640, 12.5960

■ 132.1850,
-16.2780, 8.6660

■ 144.8990, -9.7210,
5.4710

■ 157.3140, -3.7600,
2.0640

■ 170.6150, 2.5220,
-1.6540

■ 183.0300, 8.4830,
-5.0610

Harmonies

Analogous

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



68.6710, -79.0000, 11.0160



68.3380, -46.7250, 26.3230



69.0330, 23.8780, 51.8620

Triad

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



68.3380, -46.7250, 26.3230



66.1820, 66.8930, 4.6610



62.0010, -46.4400, -28.4240

Complementary

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



68.3380, -46.7250, 26.3230



136.6620, 46.7250, -26.3230

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.



53.5140, -26.6760, -45.2040



68.3380, -46.7250, 26.3230



70.0930, 38.5620, -16.0460

Square

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



68.3380, -46.7250, 26.3230



50.0360, 80.5490, 43.5330



63.3720, 6.3790, -33.0210



68.4020, -63.0860, -13.0860

Rectangle

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



68.3380, -46.7250, 26.3230



55.6520, 56.1080, 62.4760



63.3720, 6.3790, -33.0210



60.0630, -40.9830, -33.7110

Sweetspot

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



68.3380, -46.7250, 26.3230



175.8690, -18.2040, 10.5320



124.7750, -66.4750, -34.2750



83.9420, -11.2800, 6.1920



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000

Same Dimension

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



68.3380, -46.7250, 26.3230



63.5360, -73.0450, 40.7710



65.3130, -18.0730, 46.7190



75.2000, -3.4390, 1.7530



32.9660, -54.2450, 30.4510



3.8130, -6.6030, 4.0290

Inverse Universe

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



80.1110, 66.7960, 33.9640



81.6370, 104.0220, 53.1580



139.3880, 17.4770, -46.9310



75.9190, 4.7220, 2.5300



46.5470, 77.4320, 39.4480



5.7240, 9.7650, 4.7490

Previews

White Background



This preview shows how the YIQ color 68.3380, -46.7250, 26.3230 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



This preview shows how the YIQ color 68.3380, -46.7250, 26.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

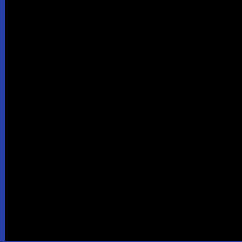
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.3380, -46.7250, 26.3230

Background



This preview shows how black text looks on a background with the YIQ color 68.3380, -46.7250, 26.3230.



This preview shows how white text looks on a background with the YIQ color 68.3380, -46.7250,

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

68.3380, -46.7250, 26.3230

Deuteranopia

59.3180, -62.3090, 0.3710

Tritanopia

58.0520, -50.4770, -15.8290

Trichromacy



Original Color

68.3380, -46.7250, 26.3230

Deuteranomaly

62.9370, -56.4420, 9.6860

Tritanomaly

61.6200, -48.6000, -0.2800

Monochromacy



Original Color

68.3380, -46.7250, 26.3230

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

68.4130, -16.9200, 9.2880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.3380, -46.7250, 26.3230 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(40, 64, 165)` looks like.

```
.text, #text, p{  
    color:rgb(40, 64, 165)  
}
```

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(40, 64, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 64, 165) }
```

Border

The CSS property to change the border of an element to YIQ 68.3380, -46.7250, 26.3230 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(40, 64, 165) }
```

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

```
.border{ border-color:rgb(40, 64, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 64, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 64, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 64, 165);  
box-shadow:4px 4px 4px 4px rgb(40, 64,  
165) }
```


Background

The CSS property to change the background color of an element to YIQ 68.3380, -46.7250, 26.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 64, 165) }
```

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

```
.background{ background-color: rgb(40, 64,  
165) }
```

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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