

Converting Colors

YIQ(46.2900, -55.9380, 11.5660)

Have a look what the booklet for
YIQ(46.2900, -55.9380, 11.5660)
contains.

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Color

**YIQ(46.2900, -55.9380,
11.5660)**

Conversions

Conversions Part 1

Format	Color
Hex	003680
RGB	0, 54, 128
RGB Percent	0%, 21%, 50%
CMY	0.9999, 0.7881, 0.4983
CMYK	1.00, 0.58, 0.00, 0.50
HSL	215°, 100%, 25%
HSV	215°, 100%, 50%
XYZ	5.2118, 4.1971, 20.9329
YIQ	46.2900, -55.9380, 11.5660

Conversions

Conversions Part 2

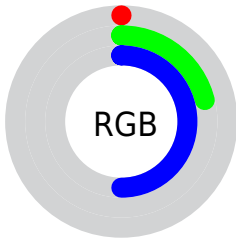
Format	Color
RYB	0, 38, 128
Decimal	13952
CIELab	24.31, 16.20, -45.93
CIELCh	24, 48.698, 289.424
Yxy	4.1971, 0.1718, 0.1383
Android (android.graphics.Color)	4278204032 (0xFF003680)
YUV	46.2900, 40.2830, -40.5963
Hunter-Lab	20.4868, 9.5582, -46.2402

Details

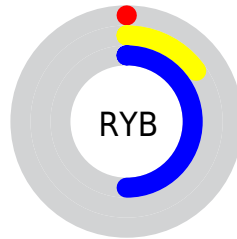
The YIQ color **46.2900, -55.9380, 11.5660** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **81.7100, 55.9380, -11.5660**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **102.4710, -40.0300, 20.6260**, and **15.9360, -28.3380, 17.9820** is the 20% darker color. If you saturate the color by 10%, you get **46.2900, -55.9380, 11.5660**, and if you desaturate by 10%, it is **54.2860, -50.1150, 10.6610**.

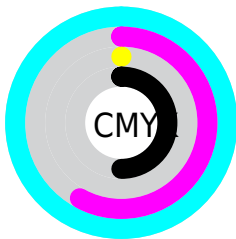
Distribution



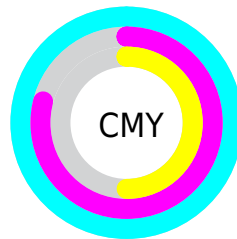
- Red (0%)
- Green (21%)
- Blue (50%)



- Red (0%)
- Yellow (15%)
- Blue (50%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (50%)



- Cyan (100%)
- Magenta (79%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.2900, -55.9380, 11.5660 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 46.2900, -55.9380, 11.5660 by changing the saturation by 10% instead.

■ 46.2900, -55.9380,
11.5660

■ 46.2900, -55.9380,
11.5660

■ 255.0000, -0.0000,
-0.0000

■ 30.9990, -41.8170,
14.4630

■ 102.4710,
-40.0300, 20.6260

■ 15.9360, -28.3380,
17.9820

■ 128.5960,
-38.8840, 21.8840

■ 9.0910, -18.7090,
14.1790

■ 155.8350,
-38.0590, 23.4530

■ 4.8220, -10.8220,
8.9060

■ 181.4070,
-33.9780, 21.0780

■ 0.4560, -1.2840,
1.2440

■ 206.5140,
-24.3940, 12.5820

■ 0.0000, 0.0000,
0.0000

■ 231.6210,

-14.8100, 4.0860

■ 253.2060, -3.5760,
-1.2720

■ 46.2900, -55.9380,
11.5660

■ 54.2860, -50.1150,
10.6610

■ 62.8690, -44.5670,
9.2330

■ 70.5660, -39.3400,
8.1160

■ 79.1490, -33.7920,
6.6880

■ 87.1450, -27.9690,
5.7830

■ 95.1410, -22.1460,
4.8780

■ 103.7240,
-16.5980, 3.4500

■ 111.4210,
-11.3710, 2.3330

■ 120.0040, -5.8230,
0.9050

Harmonies

Analogous

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



53.6760, -60.2010, 6.2230



46.2900, -55.9380, 11.5660



58.0550, 8.4760, 33.6280

Triad

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



46.2900, -55.9380, 11.5660



51.3640, 54.6970, 5.4250



47.1660, -33.6030, -24.2830

Complementary

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



46.2900, -55.9380, 11.5660



81.7100, 55.9380, -11.5660

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.



40.5030, -18.9750, -36.0870



46.2900, -55.9380, 11.5660



55.3410, 35.1680, -9.6000

Square

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



46.2900, -55.9380, 11.5660



42.9190, 58.5890, 34.0210



51.9310, 12.4750, -22.3490



52.0850, -46.0760, -12.9880

Rectangle

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



46.2900, -55.9380, 11.5660



50.9720, 33.8750, 41.3870



51.9310, 12.4750, -22.3490



45.6840, -29.4300, -28.3260

Sweetspot

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



46.2900, -55.9380, 11.5660



134.0270, -21.8250, 4.5670



83.4580, -58.6330, -44.2410



65.0510, -13.2050, 2.5310



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



46.2900, -55.9380, 11.5660



60.0140, -72.5360, 15.0160



17.2830, -35.7240, 41.7160



59.5590, -3.0720, 0.6080



0.0000, 0.0000, 0.0000

Inverse Universe

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



44.4280, 58.9540, 43.9300



57.6140, 76.4660, 56.9620



110.7170, 35.7240, -41.7160



59.4350, 3.2090, 2.4170



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 46.2900, -55.9380, 11.5660 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 46.2900, -55.9380, 11.5660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

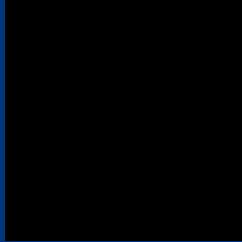
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.2900, -55.9380, 11.5660

Background



This preview shows how black text looks on a background with the YIQ color 46.2900, -55.9380, 11.5660.



This preview shows how white text looks on a background with the YIQ color 46.2900, -55.9380,

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

46.2900, -55.9380, 11.5660

Protanopia

46.4380, -53.5990, 7.7210

Deuteranopia

46.9620, -49.5630, 0.6530



Tritanopia

46.0210, -40.0240, -12.5360

Trichromacy



Original Color

46.2900, -55.9380, 11.5660

Protanomaly

46.1930, -54.2870, 9.1770

Deuteranomaly

46.8140, -51.9020, 4.4980

Tritanomaly

46.0670, -45.6650, -3.9130

Monochromacy



Original Color

46.2900, -55.9380, 11.5660

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

46.0980, -20.5870, 4.1570

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.2900, -55.9380, 11.5660 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(0, 54, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 54, 128)  
}
```

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(0, 54, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 54, 128) }
```

Border

The CSS property to change the border of an element to YIQ 46.2900, -55.9380, 11.5660 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(0, 54, 128) }
```

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

```
.border{ border-color:rgb(0, 54, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 54, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 54, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 54, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 54, 128)  
}
```

Background

The CSS property to change the background color of an element to YIQ 46.2900, -55.9380, 11.5660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 54, 128) }
```

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

```
.background{ background-color: rgb(0, 54,  
128) }
```

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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