

Converting Colors

YIQ(166.2900, -46.7700,
21.6300)

Have a look what the booklet for
YIQ(166.2900, -46.7700, 21.6300)
contains.

| | |
|--|----|
| YIQ(166.2900, -46.7700, 21.6300) | 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> | 31 |

Color

**YIQ(166.2900, -46.7700,
21.6300)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 87A5FF |
| RGB | 135, 165, 255 |
| RGB Percent | 53%, 65%, 100% |
| CMY | 0.4706, 0.3529, 0.0003 |
| CMYK | 0.47, 0.35, 0.00, 0.00 |
| HSL | 225°, 100%, 76% |
| HSV | 225°, 47%, 100% |
| XYZ | 41.4880, 39.2813, 99.9482 |
| YIQ | 166.2900, -46.7700, 21.6300 |

Conversions

Conversions Part 2

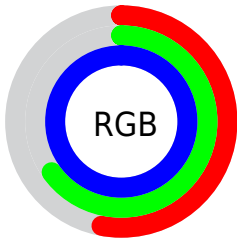
| Format | Color |
|-------------------------------------|---|
| RYB | 135, 159, 255 |
| Decimal | 8889855 |
| CIELab | 68.95, 13.10, -47.90 |
| CIELCh | 69, 49.659, 285.297 |
| Yxy | 39.2813, 0.2296, 0.2174 |
| Android (android.graphics.Color) | 4287079935 (0xFF87A5FF) |
| YUV | 166.2900, 43.7340, -27.4413 |
| Hunter-Lab | 62.6748, 8.4785, -50.6781 |

Details

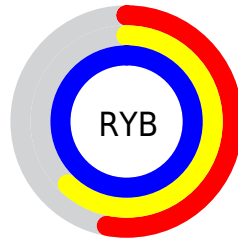
The YIQ color $166.2900, -46.7700, 21.6300$ is a light color, and the websafe version is hex $6699FF$. A complement of this color would be $223.7100, 46.7700, -21.6300$, and the grayscale version is $166.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $215.9170, -27.3270, 5.1610$, and $112.2140, -49.6120, 18.0680$ is the 20% darker color. If you saturate the color by 10%, you get $147.6620, -56.4450, 26.2670$, and if you desaturate by 10%, it is $184.9180, -37.0950, 16.9930$.

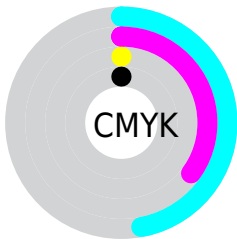
Distribution



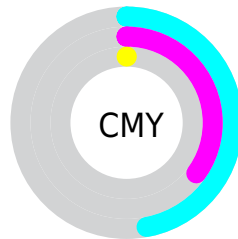
- Red (53%)
- Green (65%)
- Blue (100%)



- Red (53%)
- Yellow (62%)
- Blue (100%)



- Cyan (47%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 166.2900, -46.7700, 21.6300 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 166.2900, -46.7700, 21.6300 by changing the saturation by 10% instead.

■ 166.2900,
-46.7700, 21.6300

■ 166.2900,
-46.7700, 21.6300

■ 255.0000, -0.0000,
-0.0000

■ 139.0510,
-47.5950, 20.0610

■ 215.9170,
-27.3270, 5.1610

■ 112.2140,
-49.6120, 18.0680

■ 241.3230,
-17.1470, -3.1230

■ 84.4800, -53.4170,
15.4390

■ 254.1030, -1.7880,
-0.6360

■ 55.0440, -64.0530,
9.9550

■ 39.7530, -49.9320,
12.8520

■ 25.1630, -36.4070,
15.5370

■ 8.3390, -22.1030,

20.6250

■ 6.8910, -15.2700,
12.4260

■ 3.2090, -7.6580,
6.6300

■ 166.2900,
-46.7700, 21.6300

■ 166.2900,
-46.7700, 21.6300

■ 147.6620,
-56.4450, 26.2670

■ 184.9180,
-37.0950, 16.9930

■ 128.7350,
-66.7160, 30.6920

■ 203.8450,
-26.8240, 12.5680

■ 110.1070,
-76.3910, 35.3290

■ 222.4730,
-17.1490, 7.9310

■ 91.1800, -86.6620,
39.7540

■ 241.4000, -6.8780,
3.5060

■ 71.9650, -96.0620, 255.0000, -0.0000,
44.9140 -0.0000

■ 66.6380, -99.4550,
45.8330

Harmonies

Analogous

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



134.1430, -131.0800, -14.3120



166.2900, -46.7700, 21.6300



172.8360, 4.8990, 37.8830

Triad

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



166.2900, -46.7700, 21.6300



168.0950, 71.7520, 10.2160



141.7000, -71.0580, -44.8340

Complementary

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



166.2900, -46.7700, 21.6300



223.7100, 46.7700, -21.6300

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.



156.2280, -10.9510, -38.3350



166.2900, -46.7700, 21.6300



165.8520, 58.4140, -12.3860

Square

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



166.2900, -46.7700, 21.6300



169.3020, 67.5760, 30.8400



162.1700, 30.4950, -29.5450



133.8910, -113.8360, -40.4920

Rectangle

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



166.2900, -46.7700, 21.6300



172.7870, 32.9580, 41.4860



162.1700, 30.4950, -29.5450



148.3840, -46.6210, -41.6690

Sweetspot

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



166.2900, -46.7700, 21.6300



228.3870, -14.0310, 6.4890



215.4720, -61.2480, -35.3920



111.4430, -8.4370, 4.2270



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



166.2900, -46.7700, 21.6300



149.4340, -55.8030, 25.6450



157.0520, -21.8320, 43.2560



118.2430, -4.9980, 2.4740



49.9500, -74.5110, 34.2970



16.6880, -24.9440, 11.5360

Inverse Universe

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



174.3000, 61.8900, 34.7700



158.8610, 73.6720, 41.5120



232.9480, 21.8320, -43.2560



119.2290, 6.7850, 3.6890



62.5810, 98.4280, 55.4200



20.9600, 33.0080, 18.5440

Previews

White Background



This preview shows how the YIQ color 166.2900, -46.7700, 21.6300 looks on a white background.

Color Contrast Check

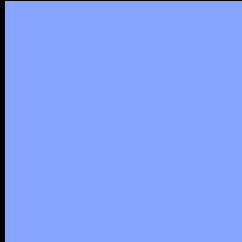
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 166.2900, -46.7700, 21.6300 looks on a black 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

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

YIQ 166.2900, -46.7700, 21.6300

Background



This preview shows how black text looks on a background with the YIQ color 166.2900, -46.7700, 21.6300.



This preview shows how white text looks on a background with the YIQ color 166.2900, -46.7700,

21.6300.

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

166.2900, -46.7700, 21.6300

Protanopia

166.5890, -46.1740, 21.8420

Deuteranopia

164.6590, -52.3630, 18.3650



Tritanopia

161.3570, -40.8500, -8.5780

Trichromacy



Original Color

166.2900, -46.7700, 21.6300

Protanomaly

166.5890, -46.1740, 21.8420

Deuteranomaly

164.9690, -50.3000, 19.5240

Tritanomaly

163.1370, -42.6860, 2.6740

Monochromacy



Original Color

166.2900, -46.7700, 21.6300

Achromatopsia

166.0000, -0.0000, 0.0000

Achromatomaly

166.3590, -16.8280, 7.6200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 166.2900, -46.7700, 21.6300 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(135, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 165, 255)  
}
```

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(135, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 165, 255) }
```

Border

The CSS property to change the border of an element to YIQ 166.2900, -46.7700, 21.6300 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(135, 165, 255) }
```


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

```
.border{ border-color:rgb(135, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 165,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 166.2900, -46.7700, 21.6300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 165, 255) }
```

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

```
.background{ background-color: rgb(135,  
165, 255) }
```

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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