

Converting Colors

YIQ(27.7610, -7.7110, 46.1530)

Have a look what the booklet for
YIQ(27.7610, -7.7110, 46.1530)
contains.

YIQ(27.7610, -7.7110, 46.1530)	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(27.7610, -7.7110,
46.1530)**

Conversions

Conversions Part 1

Format	Color
Hex	310073
RGB	49, 0, 115
RGB Percent	19%, 0%, 45%
CMY	0.8076, 1.0000, 0.5491
CMYK	0.57, 1.00, 0.00, 0.55
HSL	266°, 100%, 23%
HSV	266°, 100%, 45%
XYZ	4.3617, 1.8913, 16.3456
YIQ	27.7610, -7.7110, 46.1530

Conversions

Conversions Part 2

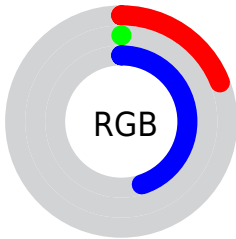
Format	Color
RYB	49, 0, 115
Decimal	3211379
CIELab	14.91, 45.79, -53.01
CIELCh	15, 70.050, 310.824
Yxy	1.8913, 0.1930, 0.0837
Android (android.graphics.Color)	4281401459 (0xFF310073)
YUV	27.7610, 43.0088, 18.6266
Hunter-Lab	13.7523, 32.5466, -60.8438

Details

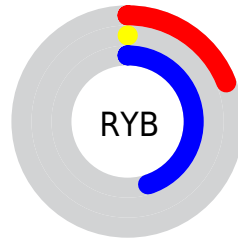
The YIQ color **27.7610, -7.7110, 46.1530** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **87.2390, 7.7110, -46.1530**, and the grayscale version is **27.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **82.2450, -6.1980, 46.2660**, and **7.4100, -20.8650, 20.2150** is the 20% darker color. If you saturate the color by 10%, you get **27.7610, -7.7110, 46.1530**, and if you desaturate by 10%, it is **36.3110, -6.5640, 41.8840**.

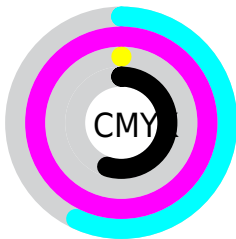
Distribution



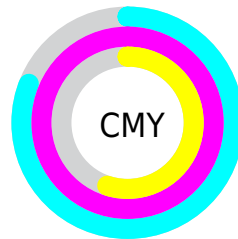
- Red (19%)
- Green (0%)
- Blue (45%)



- Red (19%)
- Yellow (0%)
- Blue (45%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (55%)





- Cyan (81%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 27.7610, -7.7110, 46.1530 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 27.7610, -7.7110, 46.1530 by changing the saturation by 10% instead.


 27.7610, -7.7110,
46.1530


 27.7610, -7.7110,
46.1530


 246.7820, 3.8500,
7.3220


 15.3430, -18.7580,
31.5940


 82.2450, -6.1980,
46.2660


 7.4100, -20.8650,
20.2150

 108.1850, -5.9690,
47.6230


 6.5490, -14.3070,
11.4930

 134.4240, -5.1440,
49.1920

 2.8670, -6.6950,
5.6970

 161.6630, -4.3190,
50.7610

 0.0000, 0.0000,
0.0000

 186.4110, 4.8980,
43.4100

 211.5180, 14.4820,

34.9140

■ 230.3460, 11.5500,
21.9660

■ 27.7610, -7.7110,
46.1530

■ 36.3110, -6.5640,
41.8840

■ 45.1490, -6.2880,
36.8800

■ 53.6990, -5.1410,
32.6110

■ 62.5370, -4.8650,
27.6070

■ 71.0870, -3.7180,
23.3380

■ 80.2240, -2.8460,
18.5460

■ 88.4750, -2.2950,
14.0650

■ 97.6120, -1.4230,
9.2730

■ 105.8630, -0.8720,
4.7920

Harmonies

Analogous

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



39.9130, -55.8940, 21.7860



27.7610, -7.7110, 46.1530



38.8910, 38.5970, 43.9170

Triad

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



27.7610, -7.7110, 46.1530



33.8550, 37.1370, 4.2810



37.9680, -32.5050, -11.1370

Complementary

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



27.7610, -7.7110, 46.1530



87.2390, 7.7110, -46.1530

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.



31.1110, -14.5750, -27.7190



27.7610, -7.7110, 46.1530



33.9230, 6.9260, -15.3940

Square

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



27.7610, -7.7110, 46.1530



30.1990, 60.1960, 21.4120



28.7630, -13.4750, -25.6270



44.0270, -48.1880, 3.2680

Rectangle

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



27.7610, -7.7110, 46.1530



38.5320, 55.4250, 36.2970



28.7630, -13.4750, -25.6270



36.0300, -27.0480, -16.4240

Sweetspot

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



27.7610, -7.7110, 46.1530



116.1100, -2.5250, 18.2350



52.4390, -55.3400, 0.7240



55.7800, -1.8360, 11.2520



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.



27.7610, -7.7110, 46.1530



36.2360, -10.0060, 60.2180



44.5050, 25.6650, 58.0250



54.2820, -0.7340, 2.2900



29.4560, -8.1700, 48.9660



60.4930, -16.4780, 100.4340

Inverse Universe

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



41.9090, 47.3540, 44.9060



54.6540, 61.7940, 58.5460



70.4950, -25.6650, -58.0250



55.1360, 2.6130, 2.2050



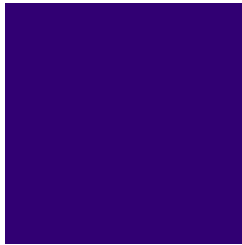
44.4580, 50.2420, 47.6340



91.0520, 103.0970, 97.4730

Previews

White Background



This preview shows how the YIQ color 27.7610, -7.7110, 46.1530 looks on a white background.

Color Contrast Check

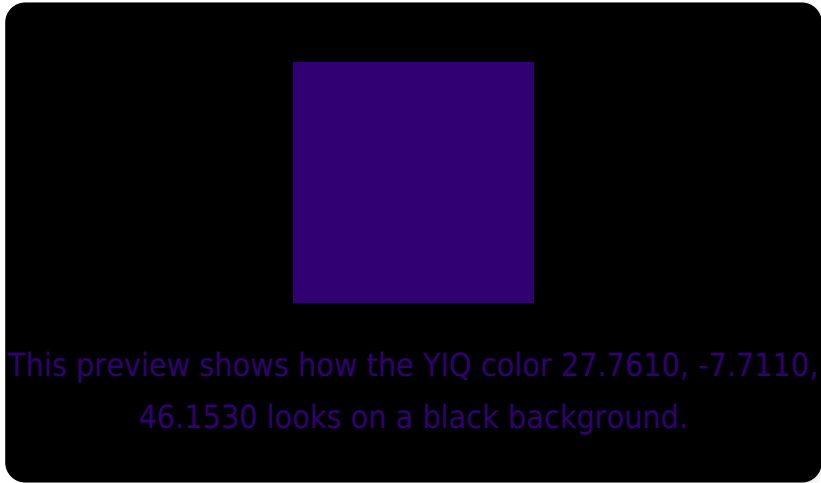
Large Text (above 18pt) WCAG AA ✓ Pass

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

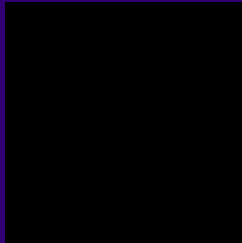
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 27.7610, -7.7110, 46.1530

Background



This preview shows how black text looks on a background with the YIQ color 27.7610, -7.7110, 46.1530.



This preview shows how white text looks on a background with the YIQ color 27.7610, -7.7110,

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

27.7610, -7.7110, 46.1530

Protanopia

33.0560, -37.9640, 5.2040

Deuteranopia

33.4490, -34.9370, -0.0970



Tritanopia

38.7640, -14.0750, -3.7310

Trichromacy



Original Color

27.7610, -7.7110, 46.1530

Protanomaly

30.8870, -26.6420, 20.2860

Deuteranomaly

31.2630, -24.9450, 17.0630

Tritanomaly

34.7990, -12.0150, 14.0090

Monochromacy



Original Color

27.7610, -7.7110, 46.1530

Achromatopsia

28.0000, -0.0000, 0.0000

Achromatomaly

28.1700, -2.7540, 16.8780

CSS Examples

Text

The CSS property to change the color of the text to YIQ 27.7610, -7.7110, 46.1530 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(49, 0, 115)` looks like.

```
.text, #text, p{  
    color:rgb(49, 0, 115)  
}
```

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(49, 0, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 0, 115) }
```

Border

The CSS property to change the border of an element to YIQ 27.7610, -7.7110, 46.1530 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(49, 0, 115) }
```


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

```
.border{ border-color:rgb(49, 0, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 0, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(49, 0, 115)  
}
```

Background

The CSS property to change the background color of an element to YIQ 27.7610, -7.7110, 46.1530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 0, 115) }
```

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

```
.background{ background-color: rgb(49, 0,  
115) }
```

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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