

Converting Colors

YIQ(46.3490, -45.2580, 27.2700)

Have a look what the booklet for
YIQ(46.3490, -45.2580, 27.2700)
contains.

YIQ(46.3490, -45.2580, 27.2700)	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(46.3490, -45.2580,
27.2700)**

Conversions

Conversions Part 1

Format	Color
Hex	14298F
RGB	20, 41, 143
RGB Percent	8%, 16%, 56%
CMY	0.9215, 0.8392, 0.4395
CMYK	0.86, 0.71, 0.00, 0.44
HSL	230°, 75%, 32%
HSV	230°, 86%, 56%
XYZ	6.0347, 3.7164, 26.3597
YIQ	46.3490, -45.2580, 27.2700

Conversions

Conversions Part 2

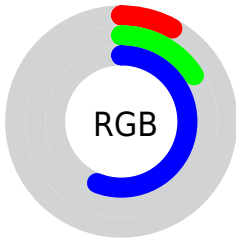
Format	Color
R_{YB}	20, 38, 143
Decimal	1321359
CIE _{Lab}	22.71, 32.61, -57.91
CIE _{LCh}	23, 66.458, 299.388
Y _{xy}	3.7164, 0.1671, 0.1029
Android (android.graphics.Color)	4279511439 (0xFF14298F)
YUV	46.3490, 47.6489, -23.1081
Hunter-Lab	19.2781, 22.1405, -67.5750

Details

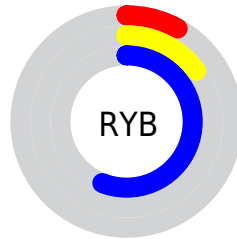
The YIQ color **46.3490, -45.2580, 27.2700** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **116.6510, 45.2580, -27.2700**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **100.5510, -33.8430, 35.1570**, and **10.3740, -29.2110, 28.3010** is the 20% darker color. If you saturate the color by 10%, you get **35.1190, -50.3020, 30.5780**, and if you desaturate by 10%, it is **57.5790, -40.2140, 23.9620**.

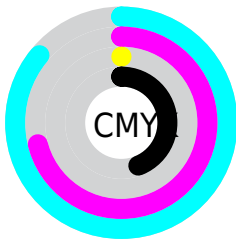
Distribution



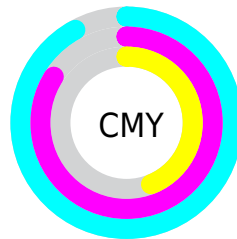
- Red (8%)
- Green (16%)
- Blue (56%)



- Red (8%)
- Yellow (15%)
- Blue (56%)



- Cyan (86%)
- Magenta (71%)
- Yellow (0%)
- Black (44%)



- Cyan (92%)
- Magenta (84%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.3490, -45.2580, 27.2700 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 46.3490, -45.2580, 27.2700 by changing the saturation by 10% instead.

■ 46.3490, -45.2580,
27.2700

■ 46.3490, -45.2580,
27.2700

■ 255.0000, -0.0000,
-0.0000

■ 25.6650, -43.3320,
25.4040

■ 100.5510,
-33.8430, 35.1570

■ 10.3740, -29.2110,
28.3010

■ 126.5020,
-32.1470, 37.4610

■ 11.1600, -23.1570,
17.6990

■ 153.1540,
-31.0470, 39.5530

■ 6.7770, -14.9490,
12.1150

■ 177.6740,
-21.1880, 31.5800

■ 3.0950, -7.3370,
6.3190

■ 202.1940,
-11.3290, 23.6070

■ 0.0000, 0.0000,
0.0000

■ 227.6000, -1.1490,

15.3230

249.7170, 2.4750,
4.7070

46.3490, -45.2580,
27.2700

46.3490, -45.2580,
27.2700

35.1190, -50.3020,
30.5780

57.5790, -40.2140,
23.9620

30.3900, -52.5030,
31.9210

69.1080, -34.5740,
20.8660

80.3380, -29.5300,
17.5580

90.9810, -24.2110,
14.7730

102.2110,
-19.1670, 11.4650

■ 113.7400,
-13.5270, 8.3690

■ 124.9700, -8.4830,
5.0610

■ 136.2000, -3.4390,
1.7530

■ 147.7290, 2.2010,
-1.3430

Harmonies

Analogous

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



54.7650, -67.4010, 15.5670



46.3490, -45.2580, 27.2700



44.3760, 30.3420, 55.8620

Triad

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



46.3490, -45.2580, 27.2700



46.6570, 55.4300, 8.6620



48.1920, -36.4920, -21.4840

Complementary

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



46.3490, -45.2580, 27.2700



116.6510, 45.2580, -27.2700

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



46.3490, -45.2580, 27.2700



51.7420, 26.5490, -13.0910

Square

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



46.3490, -45.2580, 27.2700



39.3690, 74.6370, 29.5250



39.9600, -12.8320, -31.7760



54.4790, -52.8170, -6.4570

Rectangle

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



46.3490, -45.2580, 27.2700



47.0070, 53.1300, 50.3620



39.9600, -12.8320, -31.7760



45.5530, -30.4390, -26.5590

Sweetspot

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



46.3490, -45.2580, 27.2700



148.1680, -17.6080, 10.7440



103.6010, -65.9250, -33.2290



71.2410, -10.6840, 6.4040



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000

Same Dimension

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



46.3490, -45.2580, 27.2700



39.9880, -68.5060, 41.1100



45.6830, -16.2390, 46.5210



65.3850, -2.5220, 1.6540



28.8910, -49.6600, 29.9560



1.4990, -2.8430, 1.9650

Inverse Universe

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



59.1710, 66.5670, 32.6070



59.2620, 100.5840, 49.3840



117.3170, 16.2390, -46.5210



66.2070, 3.8510, 1.7950



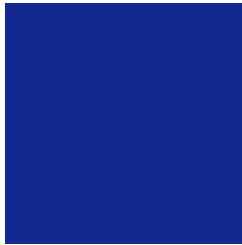
42.9870, 73.0770, 35.7730



2.5060, 4.4470, 2.0070

Previews

White Background



This preview shows how the YIQ color 46.3490, -45.2580, 27.2700 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 46.3490, -45.2580, 27.2700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

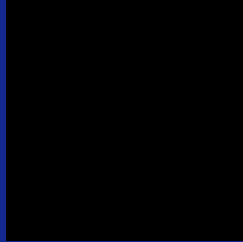
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.3490, -45.2580, 27.2700

Background



This preview shows how black text looks on a background with the YIQ color 46.3490, -45.2580, 27.2700.



This preview shows how white text looks on a background with the YIQ color 46.3490, -45.2580,

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

46.3490, -45.2580, 27.2700

Protanopia

43.7650, -50.2060, 6.8020

Tritanopia

43.1030, -37.3190, -11.9990

Trichromacy



Original Color

46.3490, -45.2580, 27.2700

Protanomaly

44.8780, -48.7860, 14.1100

Tritanomaly

44.3930, -40.5310, 2.1650

Monochromacy



Original Color

46.3490, -45.2580, 27.2700

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

46.1250, -16.0490, 10.0230

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.3490, -45.2580, 27.2700 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(20, 41, 143)` looks like.

```
.text, #text, p{  
    color:rgb(20, 41, 143)  
}
```

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(20, 41, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 41, 143) }
```

Border

The CSS property to change the border of an element to YIQ 46.3490, -45.2580, 27.2700 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(20, 41, 143) }
```

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

```
.border{ border-color:rgb(20, 41, 143) }
```

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

Here you see how a box with a 4 pixel rgb(20, 41, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 41, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 41, 143);  
box-shadow:4px 4px 4px 4px rgb(20, 41,  
143) }
```


Background

The CSS property to change the background color of an element to YIQ 46.3490, -45.2580, 27.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 41, 143) }
```

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

```
.background{ background-color: rgb(20, 41,  
143) }
```

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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