

Converting Colors

YIQ(45.4460, -12.5190, 12.1290)

Have a look what the booklet for
YIQ(45.4460, -12.5190, 12.1290)
contains.

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Color

**YIQ(45.4460, -12.5190,
12.1290)**

Conversions

Conversions Part 1

Format	Color
Hex	292950
RGB	41, 41, 80
RGB Percent	16%, 16%, 31%
CMY	0.8392, 0.8392, 0.6864
CMYK	0.49, 0.49, 0.00, 0.69
HSL	240°, 32%, 24%
HSV	240°, 49%, 31%
XYZ	3.1549, 2.6363, 7.9281
YIQ	45.4460, -12.5190, 12.1290

Conversions

Conversions Part 2

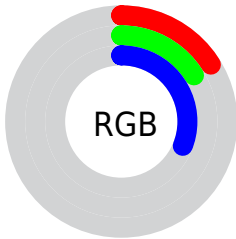
Format	Color
RYB	41, 41, 80
Decimal	2697552
CIELab	18.52, 11.88, -23.99
CIELCh	19, 26.770, 296.338
Yxy	2.6363, 0.2300, 0.1922
Android (android.graphics.Color)	4280887632 (0xFF292950)
YUV	45.4460, 17.0351, -3.8991
Hunter-Lab	16.2367, 6.2689, -17.5843

Details

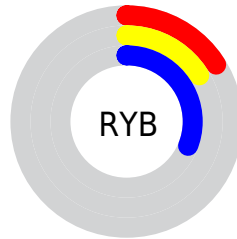
The YIQ color **45.4460, -12.5190, 12.1290** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **75.5540, 12.5190, -12.1290**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **91.9130, -12.3360, 14.3200**, and **3.9900, -11.2350, 10.8850** is the 20% darker color. If you saturate the color by 10%, you get **38.3580, -15.0870, 14.6170**, and if you desaturate by 10%, it is **52.5340, -9.9510, 9.6410**.

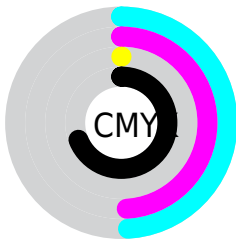
Distribution



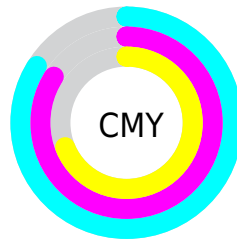
- Red (16%)
- Green (16%)
- Blue (31%)



- Red (16%)
- Yellow (16%)
- Blue (31%)



- Cyan (49%)
- Magenta (49%)
- Yellow (0%)
- Black (69%)



- Cyan (84%)
- Magenta (84%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.4460, -12.5190, 12.1290 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 45.4460, -12.5190, 12.1290 by changing the saturation by 10% instead.

■ 45.4460, -12.5190,
12.1290

■ 45.4460, -12.5190,
12.1290

■ 255.0000, -0.0000,
-0.0000

■ 23.9080, -13.9400,
10.3480

■ 91.9130, -12.3360,
14.3200

■ 3.9900, -11.2350,
10.8850

■ 116.4400,
-12.3820, 15.1540

■ 1.1400, -3.2100,
3.1100

■ 142.5540,
-12.7030, 15.4650

■ 0.0000, 0.0000,
0.0000

■ 168.9670,
-12.4280, 15.9880

■ 196.1950,
-13.0700, 16.6100

■ 222.8270, -9.2180,

12.8780

247.9340, 0.3660,
4.3820

45.4460, -12.5190,
12.1290

45.4460, -12.5190,
12.1290

38.3580, -15.0870,
14.6170

52.5340, -9.9510,
9.6410

31.2700, -17.6550,
17.1050

59.6220, -7.3830,
7.1530

24.1820, -20.2230,
19.5930

66.7100, -4.8150,
4.6650

17.0940, -22.7910,
22.0810

73.7980, -2.2470,
2.1770

10.0060, -25.3590,
24.5690

80.8860, 0.3210,
-0.3110

■ 9.1200, -25.6800,
24.8800

■ 87.9740, 2.8890,
-2.7990

■ 95.0620, 5.4570,
-5.2870

■ 102.1500, 8.0250,
-7.7750

■ 109.2380, 10.5930,
-10.2630

Harmonies

Analogous

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



37.7520, -40.1640, 1.0200



45.4460, -12.5190, 12.1290



46.7430, 8.7540, 17.5700

Triad

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



45.4460, -12.5190, 12.1290



44.0280, 29.1600, 0.1680



36.4860, -28.3320, -15.1800

Complementary

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



45.4460, -12.5190, 12.1290



75.5540, 12.5190, -12.1290

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.



37.0220, -15.4020, -18.2340



45.4460, -12.5190, 12.1290



42.5830, 22.7430, -10.1930

Square

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



45.4460, -12.5190, 12.1290



44.2490, 30.3960, 10.8120



40.9940, 8.1640, -15.8040



38.7660, -34.7520, -8.9600

Rectangle

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



45.4460, -12.5190, 12.1290



45.4300, 19.9410, 18.5730



40.9940, 8.1640, -15.8040



35.6880, -26.0850, -17.3570

Sweetspot

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



45.4460, -12.5190, 12.1290



90.8240, -5.1360, 4.9760



68.3390, -23.2440, -8.2680



45.1400, -3.2100, 3.1100



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



45.4460, -12.5190, 12.1290



50.9540, -19.5810, 18.9710



51.1270, -1.1950, 16.1570



37.4560, -1.2840, 1.2440



11.9700, -33.7050, 32.6550



26.4480, -74.4720, 72.1520

Inverse Universe

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



57.1070, 10.7250, 20.3970



69.1930, 16.7750, 31.9030



69.5740, 0.5990, -16.3690



38.6520, 1.1000, 2.0920



43.3650, 28.8750, 54.9150



95.8160, 63.8000, 121.3360

Previews

White Background



This preview shows how the YIQ color 45.4460, -12.5190, 12.1290 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 45.4460, -12.5190, 12.1290 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 45.4460, -12.5190, 12.1290

Background



This preview shows how black text looks on a background with the YIQ color 45.4460, -12.5190, 12.1290.



This preview shows how white text looks on a background with the YIQ color 45.4460, -12.5190,

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

45.4460, -12.5190, 12.1290

Protanopia

43.0640, -23.2470, 8.3130

Deuteranopia

41.3900, -27.2810, 4.3270



Tritanopia

43.9710, -10.2240, -1.9360

Trichromacy



Original Color

45.4460, -12.5190, 12.1290

Protanomaly

43.8580, -19.6710, 9.5850

Deuteranomaly

42.6080, -21.9630, 7.0690

Tritanomaly

44.2470, -10.8210, 3.3790

Monochromacy



Original Color

45.4460, -12.5190, 12.1290

Achromatopsia

45.0000, -0.0000, -0.0000

Achromatomaly

45.5960, -4.4940, 4.3540

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.4460, -12.5190, 12.1290 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(41, 41, 80)` looks like.

```
.text, #text, p{  
    color:rgb(41, 41, 80)  
}
```

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(41, 41, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 41, 80) }
```

Border

The CSS property to change the border of an element to YIQ 45.4460, -12.5190, 12.1290 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(41, 41, 80) }
```


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

```
.border{ border-color:rgb(41, 41, 80) }
```

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

Here you see how a box with a 4 pixel rgb(41, 41, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 41, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 41, 80);  
box-shadow:4px 4px 4px 4px rgb(41, 41, 80)  
}
```

Background

The CSS property to change the background color of an element to YIQ 45.4460, -12.5190, 12.1290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 41, 80) }
```

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

```
.background{ background-color: rgb(41, 41,  
80) }
```

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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