

Converting Colors

YIQ(45.0930, -47.4130, 27.7790)

Have a look what the booklet for
YIQ(45.0930, -47.4130, 27.7790)
contains.

YIQ(45.0930, -47.4130, 27.7790)	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(45.0930, -47.4130,
27.7790)**

Conversions

Conversions Part 1

Format	Color
Hex	112891
RGB	17, 40, 145
RGB Percent	7%, 16%, 57%
CMY	0.9333, 0.8431, 0.4316
CMYK	0.88, 0.72, 0.00, 0.43
HSL	229°, 79%, 32%
HSV	229°, 88%, 57%
XYZ	6.0959, 3.6797, 27.1492
YIQ	45.0930, -47.4130, 27.7790

Conversions

Conversions Part 2

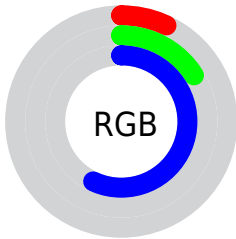
Format	Color
R_{YB}	17, 36, 145
Decimal	1124497
CIE _{Lab}	22.58, 33.84, -59.36
CIE _{LCh}	23, 68.326, 299.684
Yxy	3.6797, 0.1651, 0.0997
Android (android.graphics.Color)	4279314577 (0xFF112891)
YUV	45.0930, 49.2542, -24.6376
Hunter-Lab	19.1825, 23.1552, -70.4864

Details

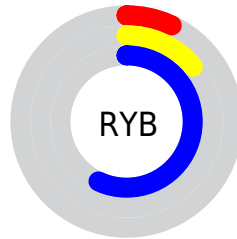
The YIQ color **45.0930, -47.4130, 27.7790** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **116.9070, 47.4130, -27.7790**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **99.3060, -34.5310, 36.6130**, and **10.6020, -29.8530, 28.9230** is the 20% darker color. If you saturate the color by 10%, you get **33.8630, -52.4570, 31.0870**, and if you desaturate by 10%, it is **56.6220, -41.7730, 24.6830**.

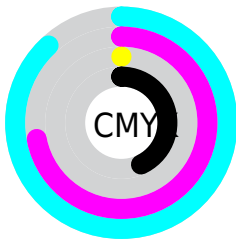
Distribution



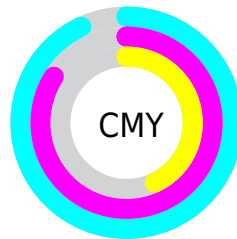
- Red (7%)
- Green (16%)
- Blue (57%)



- Red (7%)
- Yellow (14%)
- Blue (57%)



- Cyan (88%)
- Magenta (72%)
- Yellow (0%)
- Black (43%)



- Cyan (93%)
- Magenta (84%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.0930, -47.4130, 27.7790 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 45.0930, -47.4130, 27.7790 by changing the saturation by 10% instead.

■ 45.0930, -47.4130,
27.7790

■ 45.0930, -47.4130,
27.7790

■ 255.0000, -0.0000,
-0.0000

■ 25.3060, -43.6990,
26.5490

■ 99.3060, -34.5310,
36.6130

■ 10.6020, -29.8530,
28.9230

■ 126.1430,
-32.5140, 38.6060

■ 11.3880, -23.7990,
18.3210

■ 152.5670,
-30.7720, 40.0760

■ 6.8910, -15.2700,
12.4260

■ 177.0870,
-20.9130, 32.1030

■ 3.3230, -7.9790,
6.9410

■ 201.6070,
-11.0540, 24.1300

■ 0.0000, 0.0000,
0.0000

■ 227.0130, -0.8740,

15.8460

249.1300, 2.7500,
5.2300

45.0930, -47.4130,
27.7790

45.0930, -47.4130,
27.7790

33.8630, -52.4570,
31.0870

56.6220, -41.7730,
24.6830

31.7920, -53.6950,
31.4970

67.8520, -36.7290,
21.3750

79.0820, -31.6850,
18.0670

90.6110, -26.0450,
14.9710

101.2540,
-20.7260, 12.1860

■ 112.7830,
-15.0860, 9.0900

■ 124.0130,
-10.0420, 5.7820

■ 135.5420, -4.4020,
2.6860

■ 146.7720, 0.6420,
-0.6220

Harmonies

Analogous

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



55.1070, -68.3640, 16.5000



45.0930, -47.4130, 27.7790



45.0880, 31.2130, 56.5970

Triad

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



45.0930, -47.4130, 27.7790



45.7820, 56.5760, 9.9200



47.6050, -36.2170, -20.9610

Complementary

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



45.0930, -47.4130, 27.7790



116.9070, 47.4130, -27.7790

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



45.0930, -47.4130, 27.7790



50.8560, 26.2280, -12.7800

Square

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



45.0930, -47.4130, 27.7790



39.3260, 76.1960, 28.8040



38.1660, -16.4080, -33.0480



54.7070, -53.4590, -5.8350

Rectangle

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



45.0930, -47.4130, 27.7790



47.3060, 53.7260, 50.5740



38.1660, -16.4080, -33.0480



45.5530, -30.4390, -26.5590

Sweetspot

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



45.0930, -47.4130, 27.7790



150.2820, -17.9290, 11.0550



103.9920, -68.5840, -34.6000



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.



45.0930, -47.4130, 27.7790



41.5040, -70.0190, 40.9970



43.8510, -16.6520, 48.5000



65.9720, -2.7970, 1.1310



29.4780, -49.9350, 29.4330



1.4990, -2.8430, 1.9650

Inverse Universe

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



57.8940, 68.9050, 34.2890



60.3870, 101.7300, 50.6420



118.1490, 16.6520, -48.5000



66.3210, 3.5300, 2.1060



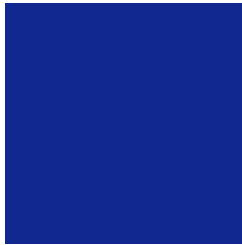
43.1010, 72.7560, 36.0840



2.5060, 4.4470, 2.0070

Previews

White Background



This preview shows how the YIQ color 45.0930, -47.4130, 27.7790 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 45.0930, -47.4130, 27.7790 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 45.0930, -47.4130, 27.7790

Background



This preview shows how black text looks on a background with the YIQ color 45.0930, -47.4130, 27.7790.



This preview shows how white text looks on a background with the YIQ color 45.0930, -47.4130,

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

45.0930, -47.4130, 27.7790

Protanopia

43.1780, -49.9310, 7.3250

Deuteranopia

43.5880, -45.5740, -0.0540



Tritanopia

42.5160, -37.0440, -11.4760

Trichromacy



Original Color

45.0930, -47.4130, 27.7790

Protanomaly

43.9920, -49.1070, 14.4210

Deuteranomaly

44.0260, -46.4470, 10.2650

Tritanomaly

43.5070, -40.8520, 2.4760

Monochromacy



Original Color

45.0930, -47.4130, 27.7790

Achromatopsia

45.0000, -0.0000, -0.0000

Achromatomaly

44.9400, -16.9660, 10.1220

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.0930, -47.4130, 27.7790 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(17, 40, 145)` looks like.

```
.text, #text, p{  
    color:rgb(17, 40, 145)  
}
```

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(17, 40, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 40, 145) }
```

Border

The CSS property to change the border of an element to YIQ 45.0930, -47.4130, 27.7790 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(17, 40, 145) }
```


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

```
.border{ border-color:rgb(17, 40, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 40, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 40, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 40, 145);  
box-shadow:4px 4px 4px 4px rgb(17, 40,  
145) }
```

Background

The CSS property to change the background color of an element to YIQ 45.0930, -47.4130, 27.7790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 40, 145) }
```

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

```
.background{ background-color: rgb(17, 40,  
145) }
```

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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