

Converting Colors

YIQ(45.9000, -21.7710,
-40.4830)

Have a look what the booklet for
YIQ(45.9000, -21.7710, -40.4830)
contains.

YIQ(45.9000, -21.7710, -40.4830)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**YIQ(45.9000, -21.7710,
-40.4830)**

Conversions

Conversions Part 1

Format	Color
Hex	004E01
RGB	0, 78, 1
RGB Percent	0%, 31%, 0%
CMY	1.0000, 0.6940, 0.9961
CMYK	1.00, 0.00, 0.99, 0.69
HSL	121°, 100%, 15%
HSV	121°, 100%, 31%
XYZ	2.7321, 5.4556, 0.9376
YIQ	45.9000, -21.7710, -40.4830

Conversions

Conversions Part 2

Format	Color
RYB	0, 77, 78
Decimal	19969
CIELab	28.00, -36.47, 34.86
CIELCh	28, 50.449, 136.295
Yxy	5.4556, 0.2994, 0.5979
Android (android.graphics.Color)	4278210049 (0xFF004E01)
YUV	45.9000, -22.1357, -40.2543
Hunter-Lab	23.3572, -19.9955, 13.9701

Details

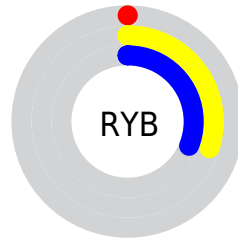
The YIQ color **45.9000, -21.7710, -40.4830** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **32.1000, 21.7710, 40.4830**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **100.0860, -13.4270, -37.5150**, and **20.5450, -9.6250, -18.3050** is the 20% darker color. If you saturate the color by 10%, you get **45.9000, -21.7710, -40.4830**, and if you desaturate by 10%, it is **49.2040, -19.5710, -36.2990**.

Distribution



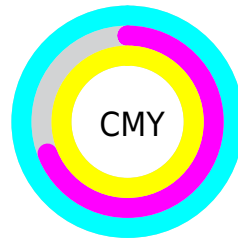
- Red (0%)
- Green (31%)
- Blue (0%)



- Red (0%)
- Yellow (30%)
- Blue (31%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (69%)





- Cyan (100%)
- Magenta (69%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 45.9000, -21.7710, -40.4830 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 45.9000, -21.7710, -40.4830 by changing the saturation by 10% instead.


 45.9000, -21.7710,
-40.4830


 45.9000, -21.7710,
-40.4830

 252.8340, 6.0990,
-5.9090


 31.6980, -14.8500,
-28.2420


 100.0860,
-13.4270, -37.5150


 20.5450, -9.6250,
-18.3050

 125.8580,
-12.7850, -38.1370

 0.0000, 0.0000,
0.0000

 153.2170,
-12.4180, -39.2820


 180.1030,
-12.0970, -39.5930


 208.1630,
-12.3260, -40.9500


 229.7060, -9.3010,


-35.1970


 241.4550, -0.6840,
-20.6520


 45.9000, -21.7710,
-40.4830

 49.2040, -19.5710,
-36.2990

 52.3940, -17.0500,
-32.4260

 55.3990, -15.4460,
-28.4540

 58.7030, -13.2460,
-24.2700

 62.0070, -11.0460,
-20.0860

■ 65.1970, -8.5250,
-16.2130

■ 68.5010, -6.3250,
-12.0290

■ 71.5060, -4.7210,
-8.0570

■ 74.6960, -2.2000,
-4.1840

Harmonies

Analogous

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



60.5140, 18.0230, -23.7770



45.9000, -21.7710, -40.4830



52.7910, -37.0410, -28.0570

Triad

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



45.9000, -21.7710, -40.4830



60.8000, -66.4820, 4.4140



53.0440, 59.7350, 35.2790

Complementary

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



45.9000, -21.7710, -40.4830



32.1000, 21.7710, 40.4830

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.



57.7450, 41.9440, 43.8320



45.9000, -21.7710, -40.4830



53.7560, -63.1820, 10.6900

Square

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



45.9000, -21.7710, -40.4830



61.4550, -61.4370, -4.4210



67.3150, 4.8080, 34.0240



59.3970, 59.0980, 8.2660

Rectangle

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



45.9000, -21.7710, -40.4830



56.5700, -46.3040, -19.8720



67.3150, 4.8080, 34.0240



51.5910, 56.9370, 41.9370

Sweetspot

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



45.9000, -21.7710, -40.4830



89.3110, -8.8460, -15.9020



69.1080, 25.0380, -24.2580



43.5660, -4.9500, -9.4140



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

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



45.9000, -21.7710, -40.4830



59.9880, -28.3710, -53.0350



50.2320, -33.9690, -28.6650



36.3480, -1.1000, -2.0920



135.3520, -64.2130, -119.3570

Inverse Universe

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



32.1000, 21.7710, 40.4830



42.0120, 28.3710, 53.0350



27.7680, 33.9690, 28.6650



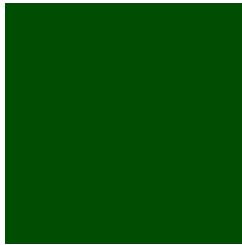
35.6520, 1.1000, 2.0920



94.6480, 64.2130, 119.3570

Previews

White Background



This preview shows how the YIQ color 45.9000, -21.7710, -40.4830 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 45.9000, -21.7710, -40.4830

Background



This preview shows how black text looks on a background with the YIQ color 45.9000, -21.7710, -40.4830.



This preview shows how white text looks on a background with the YIQ color 45.9000, -21.7710,

-40.4830.

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

45.9000, -21.7710, -40.4830

Protanopia

61.7540, 26.2750, -19.1410

Deuteranopia

64.0350, 27.2820, -9.8540



Tritanopia

61.6100, -25.4450, -6.9250

Trichromacy



Original Color

45.9000, -21.7710, -40.4830

Protanomaly

56.0290, 9.0830, -26.9570

Deuteranomaly

57.0170, 9.3570, -20.9070

Tritanomaly

56.0040, -24.1590, -19.2230

Monochromacy



Original Color

45.9000, -21.7710, -40.4830

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

46.1370, -8.2960, -14.8560

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.9000, -21.7710, -40.4830 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(0, 78, 1)` looks like.

```
.text, #text, p{  
    color:rgb(0, 78, 1)  
}
```

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(0, 78, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 78, 1) }
```

Border

The CSS property to change the border of an element to YIQ 45.9000, -21.7710, -40.4830 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(0, 78, 1) }
```

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

```
.border{ border-color:rgb(0, 78, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 78, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 78, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 78, 1); box-shadow:4px  
4px 4px 4px rgb(0, 78, 1) }
```

Background

The CSS property to change the background color of an element to YIQ 45.9000, -21.7710, -40.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 78, 1) }
```

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

```
.background{ background-color: rgb(0, 78,  
1) }
```

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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