

Converting Colors

YIQ(45.9780, -45.3510, 34.4650)

Have a look what the booklet for
YIQ(45.9780, -45.3510, 34.4650)
contains.

YIQ(45.9780, -45.3510, 34.4650)	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(45.9780, -45.3510,
34.4650)**

Conversions

Conversions Part 1

Format	Color
Hex	18249B
RGB	24, 36, 155
RGB Percent	9%, 14%, 61%
CMY	0.9058, 0.8588, 0.3924
CMYK	0.84, 0.77, 0.00, 0.39
HSL	235°, 73%, 35%
HSV	235°, 84%, 61%
XYZ	6.9186, 3.8206, 31.3526
YIQ	45.9780, -45.3510, 34.4650

Conversions

Conversions Part 2

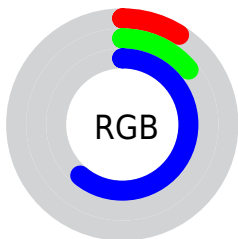
Format	Color
R_{YB}	24, 35, 155
Decimal	1582235
CIE _{Lab}	23.07, 40.36, -64.71
CIE _{LCh}	23, 76.266, 301.956
Yxy	3.8206, 0.1644, 0.0908
Android (android.graphics.Color)	4279772315 (0xFF18249B)
YUV	45.9780, 53.7478, -19.2747
Hunter-Lab	19.5464, 28.9747, -81.4190

Details

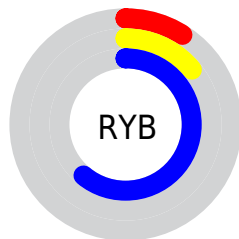
The YIQ color **45.9780, -45.3510, 34.4650** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **133.0220, 45.3510, -34.4650**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **100.8920, -33.0650, 43.0870**, and **11.6280, -32.7420, 31.7220** is the 20% darker color. If you saturate the color by 10%, you get **33.2750, -50.4410, 38.6070**, and if you desaturate by 10%, it is **58.9800, -39.6650, 30.5350**.

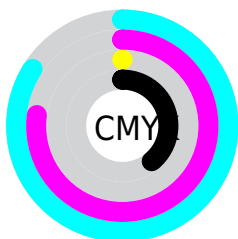
Distribution



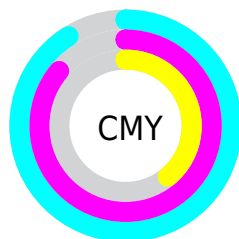
- Red (9%)
- Green (14%)
- Blue (61%)



- Red (9%)
- Yellow (14%)
- Blue (61%)



- Cyan (84%)
- Magenta (77%)
- Yellow (0%)
- Black (39%)



- Cyan (91%)
- Magenta (86%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.9780, -45.3510, 34.4650 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 45.9780, -45.3510, 34.4650 by changing the saturation by 10% instead.

■ 45.9780, -45.3510,
34.4650

■ 45.9780, -45.3510,
34.4650

■ 255.0000, -0.0000,
-0.0000

■ 22.8100, -44.9380,
32.4860

■ 100.8920,
-33.0650, 43.0870

■ 11.6280, -32.7420,
31.7220

■ 127.4300,
-31.6440, 44.8680

■ 9.3650, -24.9920,
23.4240

■ 152.8990,
-25.7750, 43.1290

■ 8.9770, -18.3880,
13.8680

■ 177.4190,
-15.9160, 35.1560

■ 4.7080, -10.5010,
8.5950

■ 202.2380, -5.4610,
27.3950

■ 0.3420, -0.9630,
0.9330

■ 227.6440, 4.7190,

■ 0.0000, 0.0000,

19.1110

0.0000

247.3690, 3.5750,
6.7990

45.9780, -45.3510,
34.4650

45.9780, -45.3510,
34.4650

33.2750, -50.4410,
38.6070

58.9800, -39.6650,
30.5350

25.8880, -53.6050,
40.8830

71.6830, -34.5750,
26.3930

84.6850, -28.8890,
22.4630

97.3880, -23.7990,
18.3210

110.0910,
-18.7090, 14.1790

■ 123.0930,
-13.0230, 10.2490

■ 136.3830, -8.2080,
5.5840

■ 149.3850, -2.5220,
1.6540

■ 162.0880, 2.5680,
-2.4880

Harmonies

Analogous

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



57.2900, -73.1330, 20.3310



45.9780, -45.3510, 34.4650



48.4200, 36.2100, 59.6500

Triad

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



45.9780, -45.3510, 34.4650



46.3800, 57.7680, 10.3440



50.0500, -38.9680, -20.6640

Complementary

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



45.9780, -45.3510, 34.4650



133.0220, 45.3510, -34.4650

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.



42.2640, -19.8000, -37.6560



45.9780, -45.3510, 34.4650



51.7200, 23.6150, -14.9850

Square

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



45.9780, -45.3510, 34.4650



41.2620, 82.2480, 29.2560



39.3290, -18.4250, -35.0410



57.1350, -57.5400, -3.4600

Rectangle

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



45.9780, -45.3510, 34.4650



50.4810, 60.6030, 52.5950



39.3290, -18.4250, -35.0410



47.0690, -31.9520, -26.6720

Sweetspot

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



45.9780, -45.3510, 34.4650



159.6350, -17.4250, 12.9350



114.3490, -73.9030, -31.8150



76.2950, -10.7760, 8.0720



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000

Same Dimension

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



45.9780, -45.3510, 34.4650



33.4800, -69.4710, 53.0970



54.4820, -11.0590, 51.7650



70.4990, -2.8430, 1.9650



23.5910, -48.5150, 36.7410



2.0690, -4.4480, 3.5200

Inverse Universe

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



64.5370, 74.2240, 31.5040



62.1510, 114.0180, 48.2100



124.5180, 11.0590, -51.7650



71.5060, 4.4470, 2.0070



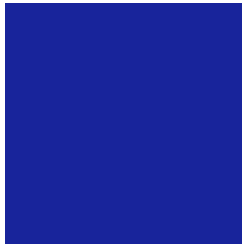
43.3420, 79.2670, 33.7230



4.0010, 7.4270, 3.0670

Previews

White Background



This preview shows how the YIQ color 45.9780, -45.3510, 34.4650 looks on a white background.

Color Contrast Check

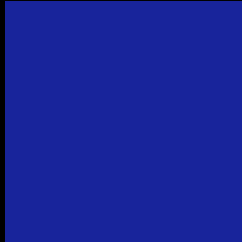
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.9780, -45.3510, 34.4650 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 45.9780, -45.3510, 34.4650

Background



This preview shows how black text looks on a background with the YIQ color 45.9780, -45.3510, 34.4650.



This preview shows how white text looks on a background with the YIQ color 45.9780, -45.3510,

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

45.9780, -45.3510, 34.4650

Protanopia

44.5800, -51.1230, 6.9010

Deuteranopia

44.4030, -46.4910, 0.0450



Tritanopia

43.8040, -37.9150, -12.2110

Trichromacy



Original Color

45.9780, -45.3510, 34.4650

Protanomaly

44.8720, -48.6490, 17.1350

Deuteranomaly

44.7920, -45.6680, 12.6680

Tritanomaly

44.9740, -40.6690, 4.6670

Monochromacy



Original Color

45.9780, -45.3510, 34.4650

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

45.8200, -16.5080, 12.8360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.9780, -45.3510, 34.4650 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(24, 36, 155)` looks like.

```
.text, #text, p{  
    color:rgb(24, 36, 155)  
}
```

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(24, 36, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 36, 155) }
```

Border

The CSS property to change the border of an element to YIQ 45.9780, -45.3510, 34.4650 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(24, 36, 155) }
```


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

```
.border{ border-color:rgb(24, 36, 155) }
```

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

Here you see how a box with a 4 pixel rgb(24, 36, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 36, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 36, 155);  
box-shadow:4px 4px 4px 4px rgb(24, 36,  
155) }
```

Background

The CSS property to change the background color of an element to YIQ 45.9780, -45.3510, 34.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 36, 155) }
```

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

```
.background{ background-color: rgb(24, 36,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor