

Converting Colors

YIQ(34.0740, -45.2610, 43.8510)

Have a look what the booklet for
YIQ(34.0740, -45.2610, 43.8510)
contains.

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Color

**YIQ(34.0740, -45.2610,
43.8510)**

Conversions

Conversions Part 1

Format	Color
Hex	12129F
RGB	18, 18, 159
RGB Percent	7%, 7%, 62%
CMY	0.9293, 0.9294, 0.3768
CMYK	0.89, 0.89, 0.00, 0.38
HSL	240°, 80%, 35%
HSV	240°, 89%, 62%
XYZ	6.7178, 3.0621, 33.0044
YIQ	34.0740, -45.2610, 43.8510

Conversions

Conversions Part 2

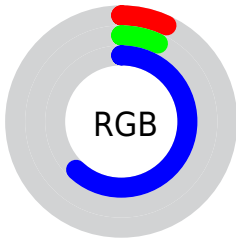
Format	Color
R_{YB}	18, 18, 159
Decimal	1184415
CIE _{Lab}	20.29, 50.30, -71.78
CIE _{LCh}	20, 87.649, 305.023
Yxy	3.0621, 0.1570, 0.0716
Android (android.graphics.Color)	4279374495 (0xFF12129F)
YUV	34.0740, 61.5885, -14.0969
Hunter-Lab	17.4988, 37.9033, -99.5772

Details

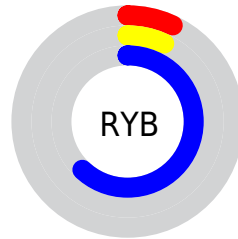
The YIQ color **34.0740, -45.2610, 43.8510** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **142.9260, 45.2610, -43.8510**, and the grayscale version is **34.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **92.5430, -30.2240, 52.1760**, and **12.0840, -34.0260, 32.9660** is the 20% darker color. If you saturate the color by 10%, you get **19.8980, -50.3970, 48.8270**, and if you desaturate by 10%, it is **48.2500, -40.1250, 38.8750**.

Distribution



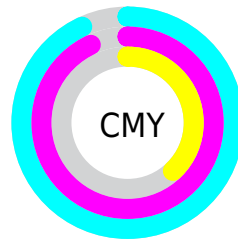
- Red (7%)
- Green (7%)
- Blue (62%)



- Red (7%)
- Yellow (7%)
- Blue (62%)



- Cyan (89%)
- Magenta (89%)
- Yellow (0%)
- Black (38%)



- Cyan (93%)
- Magenta (93%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 34.0740, -45.2610, 43.8510 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 34.0740, -45.2610, 43.8510 by changing the saturation by 10% instead.

■ 34.0740, -45.2610,
43.8510

■ 34.0740, -45.2610,
43.8510

■ 255.0000, -0.0000,
-0.0000

■ 15.0480, -42.3720,
41.0520

■ 92.5430, -30.2240,
52.1760

■ 12.0840, -34.0260,
32.9660

■ 119.7930,
-27.9320, 54.6920

■ 11.5820, -27.1010,
23.0990

■ 145.2790,
-20.7330, 50.8750

■ 9.3190, -19.3510,
14.8010

■ 169.5110,
-10.0030, 43.6370

■ 5.0500, -11.4640,
9.5280

■ 194.3300, 0.4520,
35.8760

■ 0.9120, -2.5680,
2.4880


■ 219.7360, 10.6320,


■ 0.0000, 0.0000,


27.5920


0.0000


 238.5640, 7.7000,
14.6440


 34.0740, -45.2610,
43.8510


 34.0740, -45.2610,
43.8510


 19.8980, -50.3970,
48.8270


 48.2500, -40.1250,
38.8750

 18.1260, -51.0390,
49.4490

 62.4260, -34.9890,
33.8990

 76.6020, -29.8530,
28.9230

 90.7780, -24.7170,
23.9470

 104.0680,
-19.9020, 19.2820

■ 118.2440,
-14.7660, 14.3060

■ 132.4200, -9.6300,
9.3300

■ 146.5960, -4.4940,
4.3540

■ 160.7720, 0.6420,
-0.6220

Harmonies

Analogous

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



55.6090, -75.2890, 26.3670



34.0740, -45.2610, 43.8510



49.6440, 41.3910, 59.3670

Triad

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



34.0740, -45.2610, 43.8510



37.8300, 56.6210, 14.6130



47.2290, -37.9140, -17.7380

Complementary

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



34.0740, -45.2610, 43.8510



142.9260, 45.2610, -43.8510

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.



39.3290, -18.4250, -35.0410



34.0740, -45.2610, 43.8510



45.4850, 16.9670, -15.6490

Square

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



34.0740, -45.2610, 43.8510



40.6640, 81.0560, 28.8320



36.3940, -17.0500, -32.4260



55.2260, -59.0540, 1.9540

Rectangle

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



34.0740, -45.2610, 43.8510



50.8360, 66.7930, 50.5450



36.3940, -17.0500, -32.4260



44.0200, -30.2560, -24.3680

Sweetspot

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



34.0740, -45.2610, 43.8510



157.3840, -17.9760, 17.4160



116.8410, -84.0360, -29.8920



74.8760, -10.9140, 10.5740



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



34.0740, -45.2610, 43.8510



23.5980, -66.4470, 64.3770



55.0040, -3.5410, 58.6910



71.9120, -2.5680, 2.4880



16.3020, -45.9030, 44.4730



1.7100, -4.8150, 4.6650

Inverse Universe

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



76.2330, 38.7750, 73.7430



85.3770, 57.2460, 107.9500



121.6970, 2.9450, -58.9030



74.3040, 2.2000, 4.1840



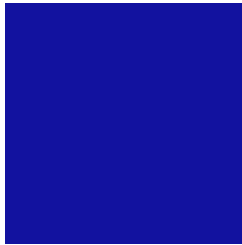
59.0590, 39.3250, 74.7890



6.1950, 4.1250, 7.8450

Previews

White Background



This preview shows how the YIQ color 34.0740, -45.2610, 43.8510 looks on a white background.

Color Contrast Check

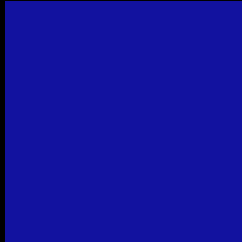
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0740, -45.2610, 43.8510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

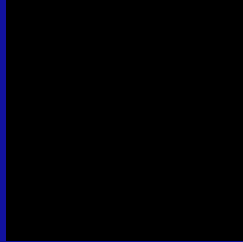
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 34.0740, -45.2610, 43.8510

Background



This preview shows how black text looks on a background with the YIQ color 34.0740, -45.2610, 43.8510.



This preview shows how white text looks on a background with the YIQ color 34.0740, -45.2610,

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

34.0740, -45.2610, 43.8510

Protanopia

40.3910, -46.2170, 6.0950

Deuteranopia

40.3280, -41.9060, -0.4500



Tritanopia

39.5980, -34.3390, -10.9390

Trichromacy



Original Color

34.0740, -45.2610, 43.8510

Protanomaly

38.4210, -45.7610, 19.8630

Deuteranomaly

38.4550, -43.1010, 15.7070

Tritanomaly

37.5770, -37.8730, 9.0630

Monochromacy



Original Color

34.0740, -45.2610, 43.8510

Achromatopsia

34.0000, -0.0000, 0.0000

Achromatomaly

33.8140, -16.3710, 15.8610

CSS Examples

Text

The CSS property to change the color of the text to YIQ 34.0740, -45.2610, 43.8510 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(18, 18, 159)` looks like.

```
.text, #text, p{  
    color:rgb(18, 18, 159)  
}
```

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(18, 18, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 18, 159) }
```

Border

The CSS property to change the border of an element to YIQ 34.0740, -45.2610, 43.8510 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(18, 18, 159) }
```


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

```
.border{ border-color:rgb(18, 18, 159) }
```

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

Here you see how a box with a 4 pixel rgb(18, 18, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 18, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 18, 159);  
box-shadow:4px 4px 4px 4px rgb(18, 18,  
159) }
```

Background

The CSS property to change the background color of an element to YIQ 34.0740, -45.2610, 43.8510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 18, 159) }
```

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

```
.background{ background-color: rgb(18, 18,  
159) }
```

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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