

Converting Colors

YIQ(41.6870, -40.3980, 27.2980)

Have a look what the booklet for
YIQ(41.6870, -40.3980, 27.2980)
contains.

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Color

**YIQ(41.6870, -40.3980,
27.2980)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 142385 |
| RGB | 20, 35, 133 |
| RGB Percent | 8%, 14%, 52% |
| CMY | 0.9215, 0.8627, 0.4787 |
| CMYK | 0.85, 0.74, 0.00, 0.48 |
| HSL | 232°, 74%, 30% |
| HSV | 232°, 85%, 52% |
| XYZ | 5.1193, 3.0430, 22.4860 |
| YIQ | 41.6870, -40.3980, 27.2980 |

Conversions

Conversions Part 2

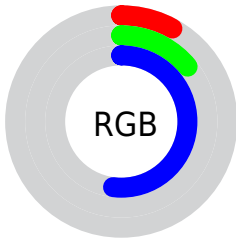
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 20, 33, 133 |
| Decimal | 1319813 |
| CIE _{Lab} | 20.22, 32.72, -55.78 |
| CIE _{LCh} | 20, 64.668, 300.401 |
| Yxy | 3.0430, 0.1670, 0.0993 |
| Android (android.graphics.Color) | 4279509893 (0xFF142385) |
| YUV | 41.6870, 45.0173, -19.0195 |
| Hunter-Lab | 17.4443, 21.8564, -64.2150 |

Details

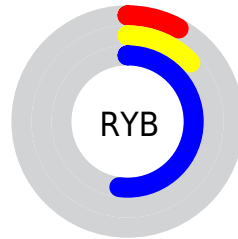
The YIQ color **41.6870, -40.3980, 27.2980** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **111.3130, 40.3980, -27.2980**, and the grayscale version is **41.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **94.2910, -30.1750, 34.7610**, and **9.3480, -26.3220, 25.5020** is the 20% darker color. If you saturate the color by 10%, you get **30.7560, -44.8460, 30.8180**, and if you desaturate by 10%, it is **52.6180, -35.9500, 23.7780**.

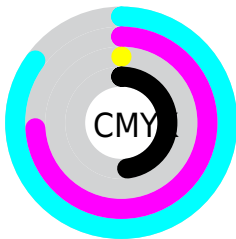
Distribution



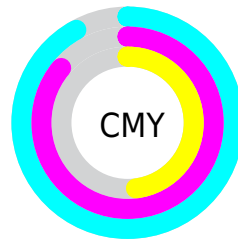
- Red (8%)
- Green (14%)
- Blue (52%)



- Red (8%)
- Yellow (13%)
- Blue (52%)



- Cyan (85%)
- Magenta (74%)
- Yellow (0%)
- Black (48%)



- Cyan (92%)
- Magenta (86%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 41.6870, -40.3980, 27.2980 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 41.6870, -40.3980, 27.2980 by changing the saturation by 10% instead.

■ 41.6870, -40.3980,
27.2980

■ 41.6870, -40.3980,
27.2980

■ 255.0000, -0.0000,
-0.0000

■ 21.0030, -38.4720,
25.4320

■ 94.2910, -30.1750,
34.7610

■ 9.3480, -26.3220,
25.5020

■ 120.2420,
-28.4790, 37.0650

■ 9.5470, -19.9930,
15.4230

■ 147.1820,
-28.2500, 38.4220

■ 5.1640, -11.7850,
9.8390

■ 172.3690,
-21.6470, 34.3930

■ 1.2540, -3.5310,
3.4210

■ 196.8890,
-11.7880, 26.4200

■ 0.0000, 0.0000,
0.0000

■ 221.7080, -1.3330,

18.6590

245.6080, 4.4000,
8.3680

41.6870, -40.3980,
27.2980

41.6870, -40.3980,
27.2980

30.7560, -44.8460,
30.8180

52.6180, -35.9500,
23.7780

25.7280, -47.6430,
31.9490

63.2610, -30.6310,
20.9930

74.1920, -26.1830,
17.4730

84.5360, -21.4600,
14.4760

95.4670, -17.0120,
10.9560

■ 106.1100,
-11.6930, 8.1710

■ 117.0410, -7.2450,
4.6510

■ 127.3850, -2.5220,
1.6540

■ 138.6150, 2.5220,
-1.6540

Harmonies

Analogous

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



50.2170, -62.8620, 15.9060



41.6870, -40.3980, 27.2980



41.5560, 29.6550, 51.7910

Triad

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



41.6870, -40.3980, 27.2980



41.6180, 51.1660, 8.8460



43.6270, -33.2830, -19.0670

Complementary

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



41.6870, -40.3980, 27.2980



111.3130, 40.3980, -27.2980

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.



36.9810, -17.3250, -32.9490



41.6870, -40.3980, 27.2980



46.4150, 23.1560, -12.1720

Square

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



41.6870, -40.3980, 27.2980



35.8800, 71.5200, 25.4400



34.6330, -16.2250, -30.8570



49.6860, -48.9660, -4.6620

Rectangle

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



41.6870, -40.3980, 27.2980



43.4040, 50.3340, 45.9660



34.6330, -16.2250, -30.8570



41.6890, -27.8260, -24.3540

Sweetspot

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



41.6870, -40.3980, 27.2980



138.4240, -15.4530, 10.2350



97.5030, -62.5330, -28.6210



65.7250, -9.1710, 6.5170



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



41.6870, -40.3980, 27.2980



33.2230, -61.8580, 41.7740



45.1410, -11.8370, 43.8350



61.2710, -2.2010, 1.3430



24.7990, -46.4050, 31.5390



0.3420, -0.9630, 0.9330

Inverse Universe

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



55.4970, 62.5330, 28.6210



54.3490, 95.7250, 43.8290



107.8590, 11.8370, -43.8350



61.9080, 3.2550, 1.5830



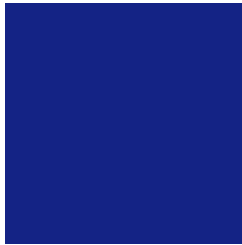
40.8080, 72.0230, 32.8470



0.8970, 1.7880, 0.6360

Previews

White Background



This preview shows how the YIQ color 41.6870, -40.3980, 27.2980 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

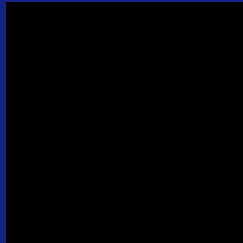
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 41.6870, -40.3980, 27.2980

Background



This preview shows how black text looks on a background with the YIQ color 41.6870, -40.3980, 27.2980.



This preview shows how white text looks on a background with the YIQ color 41.6870, -40.3980,

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

41.6870, -40.3980, 27.2980

Protanopia

39.5760, -45.3000, 5.9960

Deuteranopia

39.6270, -41.3100, -0.2380



Tritanopia

38.8970, -33.7430, -10.7270

Trichromacy



Original Color

41.6870, -40.3980, 27.2980

Protanomaly

40.1020, -43.6050, 13.8270

Deuteranomaly

40.1360, -40.9450, 9.6710

Tritanomaly

39.9590, -36.3130, 2.8150

Monochromacy



Original Color

41.6870, -40.3980, 27.2980

Achromatopsia

42.0000, -0.0000, -0.0000

Achromatomaly

41.6090, -14.5360, 10.1360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 41.6870, -40.3980, 27.2980 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(20, 35, 133)` looks like.

```
.text, #text, p{  
    color:rgb(20, 35, 133)  
}
```

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(20, 35, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 35, 133) }
```

Border

The CSS property to change the border of an element to YIQ 41.6870, -40.3980, 27.2980 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(20, 35, 133) }
```


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

```
.border{ border-color:rgb(20, 35, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 35, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 35, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 35, 133);  
box-shadow:4px 4px 4px 4px rgb(20, 35,  
133) }
```

Background

The CSS property to change the background color of an element to YIQ 41.6870, -40.3980, 27.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 35, 133) }
```

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

```
.background{ background-color: rgb(20, 35,  
133) }
```

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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