

Converting Colors

YIQ(76.9980, -41.2170, -7.4330)

Have a look what the booklet for
YIQ(76.9980, -41.2170, -7.4330)
contains.

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Color

**YIQ(76.9980, -41.2170,
-7.4330)**

Conversions

Conversions Part 1

Format	Color
Hex	215D6E
RGB	33, 93, 110
RGB Percent	13%, 36%, 43%
CMY	0.8707, 0.6352, 0.5688
CMYK	0.70, 0.15, 0.00, 0.57
HSL	193°, 54%, 28%
HSV	193°, 70%, 43%
XYZ	7.3547, 9.2807, 16.1427
YIQ	76.9980, -41.2170, -7.4330

Conversions

Conversions Part 2

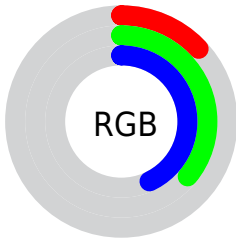
Format	Color
R_{YB}	33, 67, 110
Decimal	2186606
CIE Lab	36.52, -13.31, -15.30
CIE LCh	37, 20.282, 228.981
Yxy	9.2807, 0.2244, 0.2831
Android (android.graphics.Color)	4280376686 (0xFF215D6E)
YUV	76.9980, 16.2700, -38.5862
Hunter-Lab	30.4643, -10.2189, -10.0922




Details

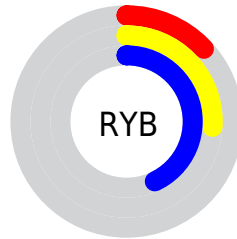
The YIQ color **76.9980, -41.2170, -7.4330** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **66.0020, 41.2170, 7.4330**, and the grayscale version is **77.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **128.7210, -38.8790, -5.7510**, and **34.6570, -32.8270, -5.2990** is the 20% darker color. If you saturate the color by 10%, you get **72.5350, -47.2230, -8.7190**, and if you desaturate by 10%, it is **81.4610, -35.2110, -6.1470**.

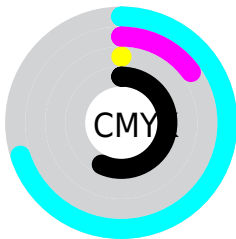
Distribution







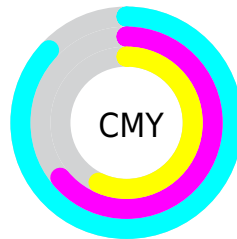
-  Red (13%)
-  Green (36%)
-  Blue (43%)






-  Red (13%)
-  Yellow (26%)
-  Blue (43%)



-  Cyan (70%)
-  Magenta (15%)
-  Yellow (0%)
-  Black (57%)



-  Cyan (87%)
-  Magenta (64%)
-  Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 76.9980, -41.2170, -7.4330 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 76.9980, -41.2170, -7.4330 by changing the saturation by 10% instead.

■ 76.9980, -41.2170,
-7.4330

■ 76.9980, -41.2170,
-7.4330

■ 255.0000, -0.0000,
-0.0000

■ 50.3070, -46.5810,
-9.3410

■ 128.7210,
-38.8790, -5.7510

■ 34.6570, -32.8270,
-5.2990

■ 155.7210,
-38.8790, -5.7510

■ 20.4090, -20.2650,
-1.6810

■ 182.7210,
-38.8790, -5.7510

■ 2.8670, -6.6950,
5.6970

■ 210.5360,
-39.7960, -5.6520

■ 0.0000, 0.0000,
0.0000

■ 237.0710,
-34.2930, -11.7730

■ 246.3290,

-17.2840, -6.1480

■ 76.9980, -41.2170,
-7.4330

■ 76.9980, -41.2170,
-7.4330

■ 72.5350, -47.2230,
-8.7190

■ 81.4610, -35.2110,
-6.1470

■ 67.4850, -52.9540,
-9.4820

■ 86.5110, -29.4800,
-5.3840

■ 63.0220, -58.9600,
-10.7680

■ 90.9740, -23.4740,
-4.0980

■ 96.0240, -17.7430,
-3.3350

■ 100.4870,
-11.7370, -2.0490

■ 105.5370, -6.0060,
-1.2860

■ 110.0000, 0.0000,
0.0000

■ 114.4630, 6.0060,
1.2860

■ 119.5130, 11.7370,
2.0490

Harmonies

Analogous

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



76.2770, -37.8690, -13.0450



76.9980, -41.2170, -7.4330



81.8410, -30.1690, 1.5990

Triad

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



76.9980, -41.2170, -7.4330



88.1260, 17.7410, 14.3890



83.9390, 9.9970, -10.4750

Complementary

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



76.9980, -41.2170, -7.4330



66.0020, 41.2170, 7.4330

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.



85.3750, 20.6330, -4.9910



76.9980, -41.2170, -7.4330



87.3840, 25.5820, 9.9500

Square

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



76.9980, -41.2170, -7.4330



88.1830, 4.3990, 13.8950



86.3530, 26.8670, 3.1790



81.6320, -5.3160, -13.7960

Rectangle

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



76.9980, -41.2170, -7.4330



85.1630, -19.2120, 6.7720



86.3530, 26.8670, 3.1790



84.0320, 14.1690, -8.9910

Sweetspot

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



76.9980, -41.2170, -7.4330



129.9210, -15.9550, -2.6990



80.1370, -26.6320, -34.9840



63.5690, -9.0320, -1.5120



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



76.9980, -41.2170, -7.4330



91.2710, -64.0950, -11.3190



54.6920, -30.7670, 12.4410



53.6190, -3.3010, -0.7490



68.2710, -64.0950, -11.3190



141.4490, -132.3620, -24.1220

Inverse Universe

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



62.8630, 26.6320, 34.9840



69.4820, 41.6670, 54.3630



88.3080, 30.7670, -12.4410



52.3640, 1.9710, 2.8270



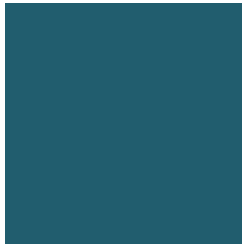
46.4820, 41.6670, 54.3630



95.8550, 85.2590, 112.3870

Previews

White Background



This preview shows how the YIQ color 76.9980, -41.2170, -7.4330 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 76.9980, -41.2170, -7.4330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

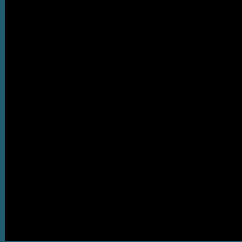
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 76.9980, -41.2170, -7.4330

Background



This preview shows how black text looks on a background with the YIQ color 76.9980, -41.2170, -7.4330.



This preview shows how white text looks on a background with the YIQ color 76.9980, -41.2170,

-7.4330.

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

76.9980, -41.2170, -7.4330

Protanopia

85.9700, -8.4830, 5.0610

Deuteranopia

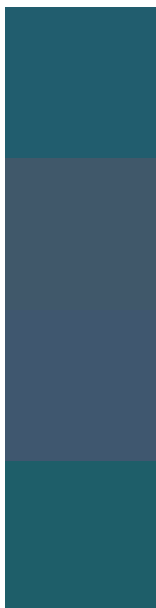
85.9960, -11.3720, 7.8600



Tritanopia

75.1780, -41.9040, -11.5040

Trichromacy



Original Color

76.9980, -41.2170, -7.4330

Protanomaly

82.8760, -20.0820, 0.5100

Deuteranomaly

82.5600, -22.0080, 2.3760

Tritanomaly

76.1180, -41.6750, -10.1470

Monochromacy



Original Color

76.9980, -41.2170, -7.4330

Achromatopsia

77.0000, -0.0000, -0.0000

Achromatomaly

77.1060, -15.0380, -2.7980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 76.9980, -41.2170, -7.4330 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(33, 93, 110)` looks like.

```
.text, #text, p{  
    color:rgb(33, 93, 110)  
}
```

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(33, 93, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 93, 110) }
```

Border

The CSS property to change the border of an element to YIQ 76.9980, -41.2170, -7.4330 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(33, 93, 110) }
```


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

```
.border{ border-color:rgb(33, 93, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 93, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 93, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 93, 110);  
box-shadow:4px 4px 4px 4px rgb(33, 93,  
110) }
```

Background

The CSS property to change the background color of an element to YIQ 76.9980, -41.2170, -7.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 93, 110) }
```

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

```
.background{ background-color: rgb(33, 93,  
110) }
```

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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