

Converting Colors

YIQ(87.3200, -39.4280,
-12.3240)

Have a look what the booklet for
YIQ(87.3200, -39.4280, -12.3240)
contains.

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Color

**YIQ(87.3200, -39.4280,
-12.3240)**

Conversions

Conversions Part 1

Format	Color
Hex	2A6A6E
RGB	42, 106, 110
RGB Percent	16%, 42%, 43%
CMY	0.8354, 0.5842, 0.5688
CMYK	0.62, 0.04, 0.00, 0.57
HSL	183°, 45%, 30%
HSV	183°, 62%, 43%
XYZ	8.9223, 11.9300, 16.5727
YIQ	87.3200, -39.4280, -12.3240

Conversions

Conversions Part 2

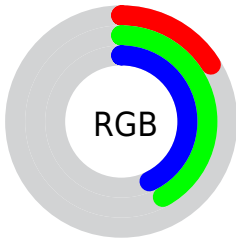
Format	Color
RYB	42, 75, 110
Decimal	2779758
CIELab	41.10, -18.90, -8.33
CIELCh	41, 20.654, 203.779
Yxy	11.9300, 0.2384, 0.3188
Android (android.graphics.Color)	4280969838 (0xFF2A6A6E)
YUV	87.3200, 11.1812, -39.7456
Hunter-Lab	34.5398, -14.3343, -4.2704




Details

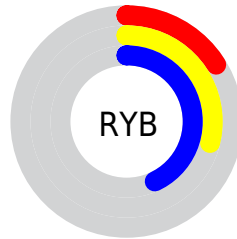
The YIQ color **87.3200, -39.4280, -12.3240** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **64.6800, 39.4280, 12.3240**, and the grayscale version is **87.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **139.9180, -38.2360, -11.9000**, and **41.2280, -36.1730, -10.7410** is the 20% darker color. If you saturate the color by 10%, you get **83.4440, -45.7090, -14.1330**, and if you desaturate by 10%, it is **91.1960, -33.1470, -10.5150**.

Distribution







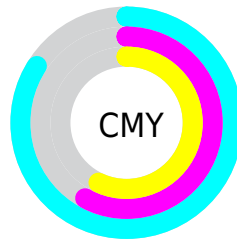
-  Red (16%)
-  Green (42%)
-  Blue (43%)






-  Red (16%)
-  Yellow (29%)
-  Blue (43%)



-  Cyan (62%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (57%)



-  Cyan (84%)
-  Magenta (58%)
-  Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.3200, -39.4280, -12.3240 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 87.3200, -39.4280, -12.3240 by changing the saturation by 10% instead.

87.3200, -39.4280,
-12.3240

87.3200, -39.4280,
-12.3240

255.0000, -0.0000,
-0.0000

60.0310, -45.9840,
-14.6560

139.8040,
-37.9150, -12.2110

41.1140, -35.8520,
-11.0520

166.5050,
-38.5110, -12.4230

25.8060, -23.0610,
-6.0770

193.9180,
-38.2360, -11.9000

7.6770, -9.2160,
1.8240

222.3200,
-39.4280, -12.3240

0.0000, 0.0000,
0.0000

240.3490,
-29.2040, -10.3880

248.7210,

-12.5160, -4.4520

■ 87.3200, -39.4280,
-12.3240

■ 87.3200, -39.4280,
-12.3240

■ 83.4440, -45.7090,
-14.1330

■ 91.1960, -33.1470,
-10.5150

■ 80.1550, -52.2650,
-16.4650

■ 94.4850, -26.5910,
-8.1830

■ 76.2790, -58.5460,
-18.2740

■ 98.3610, -20.3100,
-6.3740

■ 73.5880, -63.9100,
-20.1820

■ 102.2370,
-14.0290, -4.5650

■ 105.5260, -7.4730,
-2.2330

■ 109.4020, -1.1920,
-0.4240

■ 112.6910, 5.3640,
1.9080

■ 116.5670, 11.6450,
3.7170

■ 120.4430, 17.9260,
5.5260

Harmonies

Analogous

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



89.5680, -25.6270, -14.6430



87.3200, -39.4280, -12.3240



89.2370, -40.3920, -5.8640

Triad

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



87.3200, -39.4280, -12.3240



99.3790, 6.7830, 14.7430



96.4350, 20.4040, -6.3480

Complementary

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



87.3200, -39.4280, -12.3240



64.6800, 39.4280, 12.3240

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.



97.5980, 27.5550, 1.7230



87.3200, -39.4280, -12.3240



99.6810, 20.4920, 14.0920

Square

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



87.3200, -39.4280, -12.3240



97.8760, -10.9140, 10.5740



98.6400, 27.7370, 9.4410



94.6290, 7.9340, -11.6340

Rectangle

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



87.3200, -39.4280, -12.3240



92.2320, -32.8280, 0.2280



98.6400, 27.7370, 9.4410



96.9840, 23.2920, -3.6200

Sweetspot

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



87.3200, -39.4280, -12.3240



133.7530, -15.5420, -4.6780



82.2580, -19.6630, -34.6310



65.6290, -9.2610, -2.8690



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.



87.3200, -39.4280, -12.3240



107.7840, -61.5260, -19.3340



67.9490, -30.3530, 4.9350



54.2060, -3.5760, -1.2720



80.0110, -69.5950, -21.7790



164.9290, -143.3620, -45.0420

Inverse Universe

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



69.6280, 19.9840, 34.3200



80.0940, 31.0760, 53.5720



84.0510, 30.3530, -4.9350



52.4780, 1.6500, 3.1380



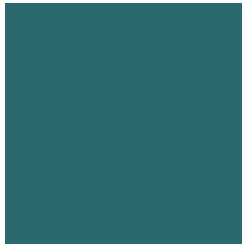
48.7620, 35.2470, 60.5830



100.4150, 72.4190, 124.8270

Previews

White Background



This preview shows how the YIQ color 87.3200, -39.4280, -12.3240 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 × Fail

Black Background



This preview shows how the YIQ color 87.3200, -39.4280, -12.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

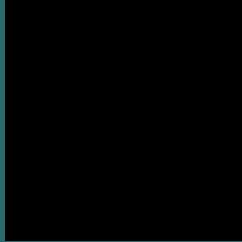
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.3200, -39.4280, -12.3240

Background



This preview shows how black text looks on a background with the YIQ color 87.3200, -39.4280, -12.3240.



This preview shows how white text looks on a background with the YIQ color 87.3200, -39.4280, -12.3240.

-12.3240.

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

87.3200, -39.4280, -12.3240

Protanopia

96.9120, -2.5680, 2.4880

Deuteranopia

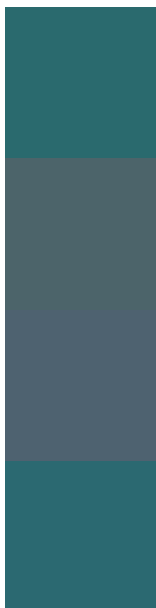
97.3620, -3.7150, 6.7570



Tritanopia

87.7870, -39.2450, -10.1330

Trichromacy



Original Color

87.3200, -39.4280, -12.3240

Protanomaly

93.5080, -16.2300, -3.2220

Deuteranomaly

93.6160, -16.4140, 0.1140

Tritanomaly

87.3740, -39.5200, -10.6560

Monochromacy



Original Color

87.3200, -39.4280, -12.3240

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.2370, -14.0290, -4.5650

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.3200, -39.4280, -12.3240 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(42, 106, 110)` looks like.

```
.text, #text, p{  
    color:rgb(42, 106, 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(42, 106, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 106, 110) }
```

Border

The CSS property to change the border of an element to YIQ 87.3200, -39.4280, -12.3240 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(42, 106, 110) }
```


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

```
.border{ border-color:rgb(42, 106, 110) }
```

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

Here you see how a box with a 4 pixel rgb(42, 106, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 106, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 106, 110);  
box-shadow:4px 4px 4px 4px rgb(42, 106,  
110) }
```

Background

The CSS property to change the background color of an element to YIQ 87.3200, -39.4280, -12.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 106, 110) }
```

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

```
.background{ background-color: rgb(42, 106,  
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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