

Converting Colors

YIQ(112.8060, -40.2560, 2.6880)

Have a look what the booklet for
YIQ(112.8060, -40.2560, 2.6880)
contains.

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Color

**YIQ(112.8060, -40.2560,
2.6880)**

Conversions

Conversions Part 1

Format	Color
Hex	4C7AA2
RGB	76, 122, 162
RGB Percent	30%, 48%, 64%
CMY	0.7020, 0.5215, 0.3649
CMYK	0.53, 0.25, 0.00, 0.36
HSL	208°, 36%, 47%
HSV	208°, 53%, 64%
XYZ	16.4580, 18.0664, 36.7795
YIQ	112.8060, -40.2560, 2.6880

Conversions

Conversions Part 2

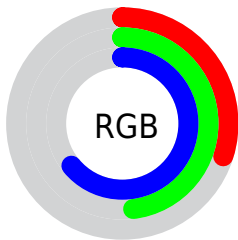
Format	Color
R_{YB}	76, 106, 162
Decimal	5012130
CIE _{Lab}	49.58, -3.97, -26.22
CIE _{LCh}	50, 26.523, 261.390
Yxy	18.0664, 0.2308, 0.2534
Android (android.graphics.Color)	4283202210 (0xFF4C7AA2)
YUV	112.8060, 24.2526, -32.2789
Hunter-Lab	42.5045, -5.2669, -21.5509

Details

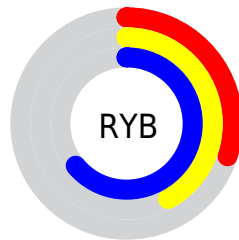
The YIQ color **112.8060, -40.2560, 2.6880** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **125.1940, 40.2560, -2.6880**, and the grayscale version is **113.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **165.7460, -40.0270, 4.0450**, and **60.1640, -47.3160, -1.5240** is the 20% darker color. If you saturate the color by 10%, you get **103.3260, -47.5920, 3.4800**, and if you desaturate by 10%, it is **122.2860, -32.9200, 1.8960**.

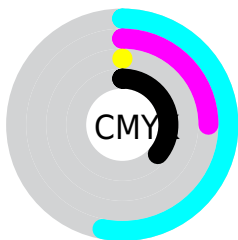
Distribution



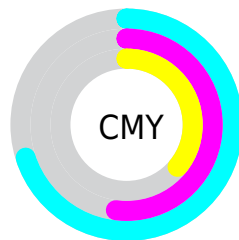
- Red (30%)
- Green (48%)
- Blue (64%)



- Red (30%)
- Yellow (42%)
- Blue (64%)



- Cyan (53%)
- Magenta (25%)
- Yellow (0%)
- Black (36%)



- Cyan (70%)
- Magenta (52%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 112.8060, -40.2560, 2.6880 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 112.8060, -40.2560, 2.6880 by changing the saturation by 10% instead.

■ 112.8060,
-40.2560, 2.6880

■ 112.8060,
-40.2560, 2.6880

■ 255.0000, -0.0000,
-0.0000

■ 86.7950, -41.7230,
1.7410

■ 165.7460,
-40.0270, 4.0450

■ 60.1640, -47.3160,
-1.5240

■ 193.7460,
-40.0270, 4.0450

■ 39.7410, -41.6310,
0.0730

■ 219.6940,
-34.2490, -1.5530

■ 24.6780, -28.1520,
3.5920

■ 242.7410,
-24.4360, -8.6920

■ 6.3210, -13.6650,
10.8710

■ 251.7110, -6.5560,
-2.3320

■ 2.6390, -6.0530,
5.0750

■ 0.0000, 0.0000,

0.0000

■ 112.8060,
-40.2560, 2.6880

■ 112.8060,
-40.2560, 2.6880

■ 103.3260,
-47.5920, 3.4800

■ 122.2860,
-32.9200, 1.8960

■ 94.4330, -55.2030,
3.7490

■ 131.1790,
-25.3090, 1.6270

■ 84.6540, -63.1350,
4.3290

■ 140.9580,
-17.3770, 1.0470

■ 75.7610, -70.7460,
4.5980

■ 149.8510, -9.7660,
0.7780

■ 69.5370, -75.9270,
4.8810

■ 159.3310, -2.4300,
-0.0140

■ 168.2240, 5.1810,
-0.2830

■ 177.7040, 12.5170,
-1.0750

■ 186.8960, 20.7240,
-1.1320

■ 196.3760, 28.0600,
-1.9240

Harmonies

Analogous

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



104.7340, -58.0890, -10.0330



112.8060, -40.2560, 2.6880



118.3470, -16.5540, 13.6700

Triad

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



112.8060, -40.2560, 2.6880



119.4670, 35.7140, 13.5540



111.9040, -9.2580, -19.4500

Complementary

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



112.8060, -40.2560, 2.6880



125.1940, 40.2560, -2.6880

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.



115.1470, 12.1070, -15.6770



112.8060, -40.2560, 2.6880



118.7300, 35.9910, 3.0230

Square

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



112.8060, -40.2560, 2.6880



120.7790, 26.2680, 19.5480



116.8010, 28.0610, -7.4510



107.6870, -33.5120, -20.4240

Rectangle

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



112.8060, -40.2560, 2.6880



120.7790, -0.0950, 18.2490



116.8010, 28.0610, -7.4510



112.7370, -1.4180, -18.3620

Sweetspot

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



112.8060, -40.2560, 2.6880



192.4420, -15.8640, 1.1600



130.9280, -36.1690, -32.8490



95.7370, -9.4450, 0.4670



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000

Same Dimension

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



112.8060, -40.2560, 2.6880



134.3550, -63.7310, 4.1170



88.1520, -28.7060, 24.6540



76.9610, -4.2640, 0.1840



62.3160, -67.9950, 4.3010



7.9220, -8.5280, 0.3680

Inverse Universe

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



106.9580, 36.4900, 32.5380



124.9860, 57.6230, 51.5350



149.8480, 28.7060, -24.6540



76.2610, 3.7590, 3.4630



52.2470, 61.3820, 54.9980



6.5220, 7.5180, 6.9260

Previews

White Background



This preview shows how the YIQ color 112.8060, -40.2560, 2.6880 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 112.8060, -40.2560, 2.6880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

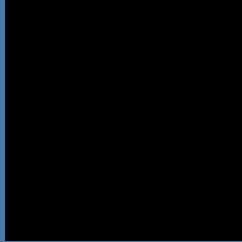
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 112.8060, -40.2560, 2.6880

Background



This preview shows how black text looks on a background with the YIQ color 112.8060, -40.2560, 2.6880.

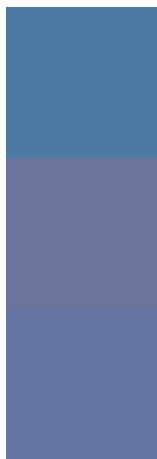


This preview shows how white text looks on a background with the YIQ color 112.8060, -40.2560,

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

112.8060, -40.2560, 2.6880

Protanopia

117.6840, -19.1210, 10.6310

Deuteranopia

117.1720, -23.4310, 11.6490



Tritanopia

110.2000, -38.9700, -9.6100

Trichromacy



Original Color

112.8060, -40.2560, 2.6880

Protanomaly

115.7970, -26.8690, 7.8750

Deuteranomaly

115.6550, -29.3450, 8.6950

Tritanomaly

110.9490, -39.5210, -5.1290

Monochromacy



Original Color

112.8060, -40.2560, 2.6880

Achromatopsia

113.0000, -0.0000, 0.0000

Achromatomaly

112.9260, -14.3510, 1.2730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 112.8060, -40.2560, 2.6880 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(76, 122, 162)` looks like.

```
.text, #text, p{  
    color:rgb(76, 122, 162)  
}
```

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(76, 122, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 122, 162) }
```

Border

The CSS property to change the border of an element to YIQ 112.8060, -40.2560, 2.6880 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(76, 122, 162) }
```


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

```
.border{ border-color:rgb(76, 122, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 122, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 122, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 122, 162);  
box-shadow:4px 4px 4px 4px rgb(76, 122,  
162) }
```

Background

The CSS property to change the background color of an element to YIQ 112.8060, -40.2560, 2.6880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 122, 162) }
```

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

```
.background{ background-color: rgb(76, 122,  
162) }
```

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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