

Converting Colors

YIQ(42.1050, -12.1560, 33.0920)

Have a look what the booklet for
YIQ(42.1050, -12.1560, 33.0920)
contains.

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Color

**YIQ(42.1050, -12.1560,
33.0920)**

Conversions

Conversions Part 1

Format	Color
Hex	331870
RGB	51, 24, 112
RGB Percent	20%, 9%, 44%
CMY	0.7999, 0.9059, 0.5609
CMYK	0.54, 0.79, 0.00, 0.56
HSL	258°, 65%, 27%
HSV	258°, 79%, 44%
XYZ	4.6162, 2.5266, 15.5650
YIQ	42.1050, -12.1560, 33.0920

Conversions

Conversions Part 2

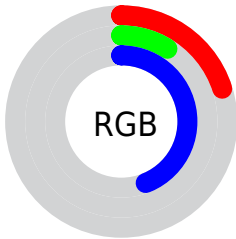
Format	Color
R_{YB}	51, 24, 112
Decimal	3348592
CIE _{Lab}	18.04, 35.71, -45.89
CIE _{LCh}	18, 58.144, 307.888
Yxy	2.5266, 0.2033, 0.1113
Android (android.graphics.Color)	4281538672 (0xFF331870)
YUV	42.1050, 34.4582, 7.8009
Hunter-Lab	15.8953, 24.0215, -46.9312

Details

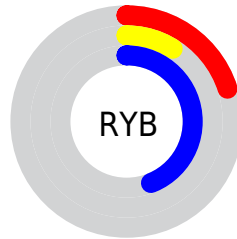
The YIQ color **42.1050, -12.1560, 33.0920** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **93.8950, 12.1560, -33.0920**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **90.9960, -10.2310, 36.7530**, and **7.1820, -20.2230, 19.5930** is the 20% darker color. If you saturate the color by 10%, you get **33.2560, -13.8990, 37.1490**, and if you desaturate by 10%, it is **50.9540, -10.4130, 29.0350**.

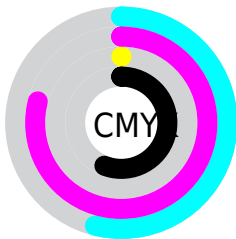
Distribution



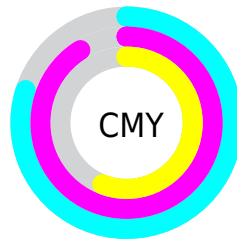
- Red (20%)
- Green (9%)
- Blue (44%)



- Red (20%)
- Yellow (9%)
- Blue (44%)



- Cyan (54%)
- Magenta (79%)
- Yellow (0%)
- Black (56%)



- Cyan (80%)
- Magenta (91%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.1050, -12.1560, 33.0920 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 42.1050, -12.1560, 33.0920 by changing the saturation by 10% instead.

■ 42.1050, -12.1560,
33.0920

■ 42.1050, -12.1560,
33.0920

■ 255.0000, -0.0000,
-0.0000

■ 17.3710, -15.9610,
30.4630

■ 90.9960, -10.2310,
36.7530

■ 7.1820, -20.2230,
19.5930

■ 116.8220, -9.6810,
37.7990

■ 6.3210, -13.6650,
10.8710

■ 143.0610, -8.8560,
39.3680

■ 2.6390, -6.0530,
5.0750

■ 170.0010, -8.6270,
40.7250

■ 0.0000, 0.0000,
0.0000

■ 195.2050, -0.6940,
34.6180

■ 220.3120, 8.8900,

26.1220

239.7380, 7.1500,
13.5980

42.1050, -12.1560,
33.0920

42.1050, -12.1560,
33.0920

33.2560, -13.8990,
37.1490

50.9540, -10.4130,
29.0350

24.7060, -15.0460,
41.4180

59.8030, -8.6700,
24.9780

22.9340, -15.6880,
42.0400

68.9400, -7.7980,
20.1860

77.7890, -6.0550,
16.1290

86.6380, -4.3120,
12.0720

■ 95.4870, -2.5690,
8.0150

■ 104.0370, -1.4220,
3.7460

■ 113.4730, 0.0460,
-0.8340

■ 122.3220, 1.7890,
-4.8910

Harmonies

Analogous

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



42.9960, -54.9300, 15.3260



42.1050, -12.1560, 33.0920



38.3790, 34.2870, 44.9350

Triad

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



42.1050, -12.1560, 33.0920



40.9430, 39.7050, 1.7930



40.9030, -33.8800, -13.7520

Complementary

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



42.1050, -12.1560, 33.0920



93.8950, 12.1560, -33.0920

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.



34.8440, -18.1970, -28.1570



42.1050, -12.1560, 33.0920



40.7560, 14.7660, -14.3060

Square

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



42.1050, -12.1560, 33.0920



31.0960, 61.9840, 22.0480



31.6980, -14.8500, -28.2420



46.1640, -47.3160, -1.5240

Rectangle

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



42.1050, -12.1560, 33.0920



38.7750, 50.4270, 38.7710



31.6980, -14.8500, -28.2420



39.1930, -29.0650, -18.4170

Sweetspot

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



42.1050, -12.1560, 33.0920



117.2790, -4.6790, 13.2170



70.4260, -45.2980, -5.0580



57.1880, -3.1650, 7.8030



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



42.1050, -12.1560, 33.0920



37.0620, -18.6240, 51.2000



54.9620, 13.4720, 42.2080



51.2820, -0.7340, 2.2900



24.7430, -16.4680, 45.1640



50.8820, -33.9910, 92.9290

Inverse Universe

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



57.2660, 32.8670, 37.6270



60.3800, 50.8820, 58.0660



81.0380, -13.4720, -42.2080



52.2500, 2.2920, 2.5160



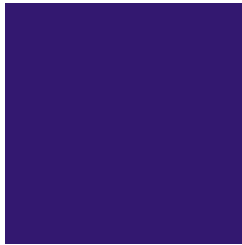
45.3420, 44.8770, 51.2530



93.3470, 92.3210, 105.5450

Previews

White Background



This preview shows how the YIQ color 42.1050, -12.1560, 33.0920 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 42.1050, -12.1560, 33.0920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

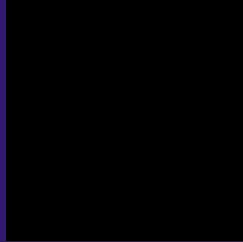
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.1050, -12.1560, 33.0920

Background



This preview shows how black text looks on a background with the YIQ color 42.1050, -12.1560, 33.0920.



This preview shows how white text looks on a background with the YIQ color 42.1050, -12.1560,

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

42.1050, -12.1560, 33.0920

Protanopia

36.3160, -41.6320, 5.6000

Deuteranopia

36.0080, -38.0090, 0.5110



Tritanopia

43.0740, -12.0120, -2.5720

Trichromacy



Original Color

42.1050, -12.1560, 33.0920

Protanomaly

38.6860, -30.6300, 15.4660

Deuteranomaly

38.3610, -28.3370, 12.4550

Tritanomaly

42.6910, -11.8310, 10.6730

Monochromacy



Original Color

42.1050, -12.1560, 33.0920

Achromatopsia

42.0000, -0.0000, -0.0000

Achromatomaly

41.6380, -4.3120, 12.0720

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.1050, -12.1560, 33.0920 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(51, 24, 112)` looks like.

```
.text, #text, p{  
    color:rgb(51, 24, 112)  
}
```

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(51, 24, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 24, 112) }
```

Border

The CSS property to change the border of an element to YIQ 42.1050, -12.1560, 33.0920 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(51, 24, 112) }
```


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

```
.border{ border-color:rgb(51, 24, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 24, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 24, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 24, 112);  
box-shadow:4px 4px 4px 4px rgb(51, 24,  
112) }
```

Background

The CSS property to change the background color of an element to YIQ 42.1050, -12.1560, 33.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 24, 112) }
```

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

```
.background{ background-color: rgb(51, 24,  
112) }
```

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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