

Converting Colors

YIQ(42.1170, -12.4300, 27.0420)

Have a look what the booklet for
YIQ(42.1170, -12.4300, 27.0420)
contains.

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Color

**YIQ(42.1170, -12.4300,
27.0420)**

Conversions

Conversions Part 1

Format	Color
Hex	2F1C66
RGB	47, 28, 102
RGB Percent	18%, 11%, 40%
CMY	0.8156, 0.8902, 0.6001
CMYK	0.54, 0.73, 0.00, 0.60
HSL	255°, 57%, 25%
HSV	255°, 73%, 40%
XYZ	3.9854, 2.3938, 12.8153
YIQ	42.1170, -12.4300, 27.0420

Conversions

Conversions Part 2

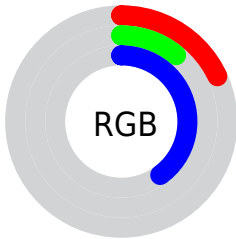
Format	Color
R_{YB}	47, 28, 102
Decimal	3087462
CIE _{Lab}	17.43, 29.60, -40.37
CIE _{LCh}	17, 50.064, 306.252
Yxy	2.3938, 0.2076, 0.1247
Android (android.graphics.Color)	4281277542 (0xFF2F1C66)
YUV	42.1170, 29.5223, 4.2824
Hunter-Lab	15.4719, 18.9034, -38.2793




Details

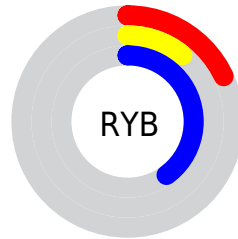
The YIQ color **42.1170, -12.4300, 27.0420** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **87.8830, 12.4300, -27.0420**, and the grayscale version is **42.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **90.0080, -10.5050, 30.7030**, and **6.1560, -17.3340, 16.7940** is the 20% darker color. If you saturate the color by 10%, you get **33.8550, -14.4480, 30.5760**, and if you desaturate by 10%, it is **50.3790, -10.4120, 23.5080**.

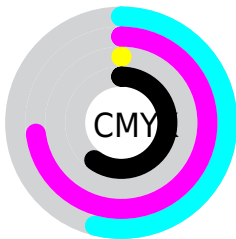
Distribution







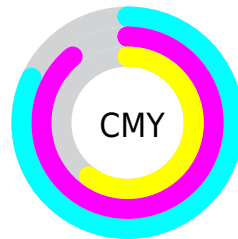
-  Red (18%)
-  Green (11%)
-  Blue (40%)






-  Red (18%)
-  Yellow (11%)
-  Blue (40%)



-  Cyan (54%)
-  Magenta (73%)
-  Yellow (0%)
-  Black (60%)



-  Cyan (82%)
-  Magenta (89%)
-  Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.1170, -12.4300, 27.0420 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 42.1170, -12.4300, 27.0420 by changing the saturation by 10% instead.

■ 42.1170, -12.4300,
27.0420

■ 42.1170, -12.4300,
27.0420

■ 255.0000, -0.0000,
-0.0000

■ 18.5680, -15.3180,
24.3140

■ 90.0080, -10.5050,
30.7030

■ 6.1560, -17.3340,
16.7940

■ 114.9480,
-10.2760, 32.0600

■ 4.8220, -10.8220,
8.9060

■ 141.4750,
-10.3220, 32.8940

■ 0.4560, -1.2840,
1.2440

■ 168.3010, -9.7720,
33.9400

■ 0.0000, 0.0000,
0.0000

■ 193.9870, -6.0120,
31.8760

■ 219.0940, 3.5720,

23.3800

240.9120, 6.6000,
12.5520

42.1170, -12.4300,
27.0420

42.1170, -12.4300,
27.0420

33.8550, -14.4480,
30.5760

50.3790, -10.4120,
23.5080

25.8920, -15.8700,
34.3220

58.3420, -8.9900,
19.7620

19.4020, -17.2460,
37.2340

67.1910, -7.2470,
15.7050

75.1540, -5.8250,
11.9590

83.4160, -3.8070,
8.4250

■ 91.3790, -2.3850,
4.6790

■ 99.6410, -0.3670,
1.1450

■ 108.4900, 1.3760,
-2.9120

■ 116.4530, 2.7980,
-6.6580

Harmonies

Analogous

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



40.2260, -49.8860, 12.0180



42.1170, -12.4300, 27.0420



34.9330, 29.6110, 41.5710

Triad

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



42.1170, -12.4300, 27.0420



39.7470, 37.3210, 0.9450



39.1590, -31.7250, -14.2610

Complementary

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



42.1170, -12.4300, 27.0420



87.8830, 12.4300, -27.0420

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.



33.3110, -18.0140, -25.9660



42.1170, -12.4300, 27.0420



39.8810, 15.9120, -13.0480

Square

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



42.1170, -12.4300, 27.0420



28.7040, 57.2160, 20.3520



30.8230, -13.7040, -26.9840



43.1490, -42.9600, -3.3760

Rectangle

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



42.1170, -12.4300, 27.0420



35.4860, 43.8710, 36.4390



30.8230, -13.7040, -26.9840



37.0900, -27.2770, -17.7810

Sweetspot

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



42.1170, -12.4300, 27.0420



108.8120, -4.8620, 11.0260



68.7210, -38.8790, -5.7510



52.1340, -3.0730, 6.1350



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



42.1170, -12.4300, 27.0420



39.1940, -19.3560, 42.4360



52.8810, 9.0260, 34.6740



46.8690, -1.0090, 1.7670



22.0800, -19.0350, 42.1250



46.1260, -40.7300, 88.4060

Inverse Universe

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



56.3960, 26.4490, 32.7930



61.4880, 41.5300, 51.3380



76.8200, -9.6220, -34.8860



47.9510, 1.6960, 2.3040



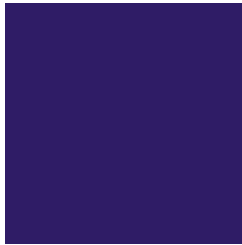
44.0750, 41.2550, 50.8150



92.8780, 86.4520, 107.2840

Previews

White Background



This preview shows how the YIQ color 42.1170, -12.4300, 27.0420 looks on a white background.

Color Contrast Check

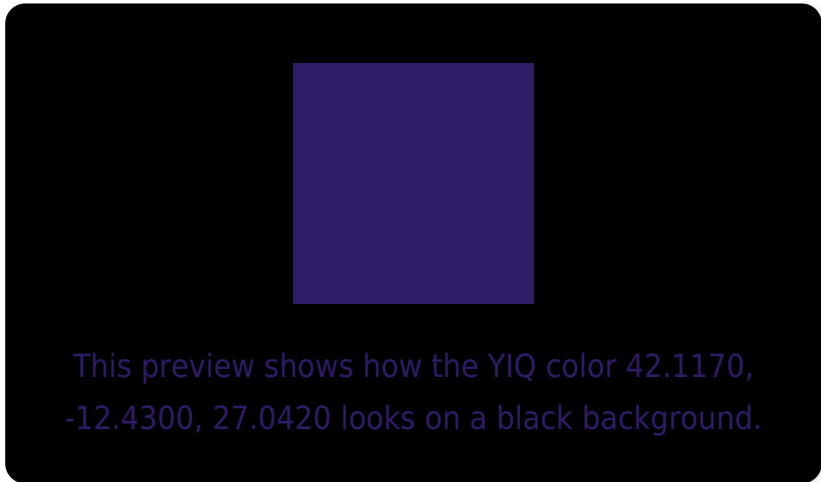
Large Text (above 18pt) WCAG AA ✓ Pass

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

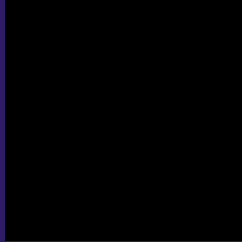
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.1170, -12.4300, 27.0420

Background



This preview shows how black text looks on a background with the YIQ color 42.1170, -12.4300, 27.0420.



This preview shows how white text looks on a background with the YIQ color 42.1170, -12.4300,

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

42.1170, -12.4300, 27.0420

Protanopia

34.8000, -40.1190, 5.7130

Deuteranopia

35.0790, -36.7710, 0.1010



Tritanopia

41.6720, -10.8200, -2.1480

Trichromacy



Original Color

42.1170, -12.4300, 27.0420

Protanomaly

37.5180, -30.2170, 13.4870

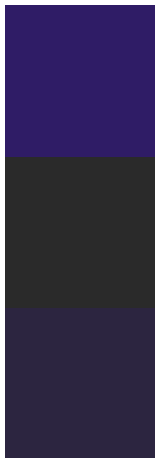
Deuteranomaly

37.6660, -27.8780, 9.6420

Tritanomaly

41.5230, -11.4180, 8.6940

Monochromacy



Original Color

42.1170, -12.4300, 27.0420

Achromatopsia

42.0000, -0.0000, -0.0000

Achromatomaly

42.1710, -4.4950, 9.8810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.1170, -12.4300, 27.0420 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(47, 28, 102)` looks like.

```
.text, #text, p{  
    color:rgb(47, 28, 102)  
}
```

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(47, 28, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 28, 102) }
```

Border

The CSS property to change the border of an element to YIQ 42.1170, -12.4300, 27.0420 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(47, 28, 102) }
```


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

```
.border{ border-color:rgb(47, 28, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 28, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 28, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 28, 102);  
box-shadow:4px 4px 4px 4px rgb(47, 28,  
102) }
```

Background

The CSS property to change the background color of an element to YIQ 42.1170, -12.4300, 27.0420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 28, 102) }
```

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

```
.background{ background-color: rgb(47, 28,  
102) }
```

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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