

Converting Colors

YIQ(21.7470, 12.0990, 28.5390)

Have a look what the booklet for
YIQ(21.7470, 12.0990, 28.5390)
contains.

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Color

**YIQ(21.7470, 12.0990,
28.5390)**

Conversions

Conversions Part 1

Format	Color
Hex	330039
RGB	51, 0, 57
RGB Percent	20%, 0%, 22%
CMY	0.7998, 1.0000, 0.7765
CMYK	0.10, 1.00, 0.00, 0.78
HSL	294°, 100%, 11%
HSV	294°, 100%, 22%
XYZ	2.1058, 1.0003, 3.9531
YIQ	21.7470, 12.0990, 28.5390

Conversions

Conversions Part 2

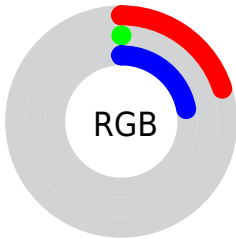
Format	Color
R_{YB}	51, 0, 57
Decimal	3342393
CIE _{Lab}	8.99, 32.70, -23.13
CIE _{LCh}	9, 40.055, 324.723
Yxy	1.0003, 0.2983, 0.1417
Android (android.graphics.Color)	4281532473 (0xFF330039)
YUV	21.7470, 17.3797, 25.6549
Hunter-Lab	10.0013, 20.0813, -16.4339

Details

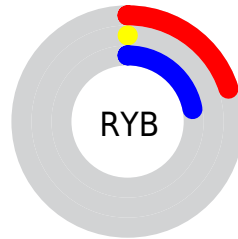
The YIQ color **21.7470, 12.0990, 28.5390** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **35.2530, -12.0990, -28.5390**, and the grayscale version is **22.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **70.0460, 12.6950, 28.7510**, and **1.1400, -3.2100, 3.1100** is the 20% darker color. If you saturate the color by 10%, you get **21.7470, 12.0990, 28.5390**, and if you desaturate by 10%, it is **25.5680, 11.0450, 25.6130**.

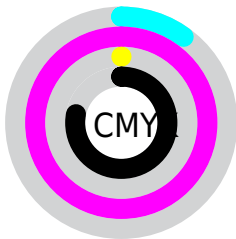
Distribution



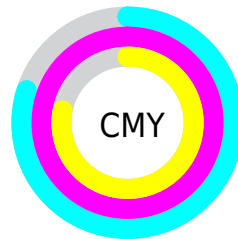
- Red (20%)
- Green (0%)
- Blue (22%)



- Red (20%)
- Yellow (0%)
- Blue (22%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (78%)





- Cyan (80%)
- Magenta (100%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the YIQ color 21.7470, 12.0990, 28.5390 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 21.7470, 12.0990, 28.5390 by changing the saturation by 10% instead.


 21.7470, 12.0990,
28.5390


 21.7470, 12.0990,
28.5390

 240.9120, 6.6000,
12.5520


 13.6720, 7.5160,
17.9800


 70.0460, 12.6950,
28.7510


 1.1400, -3.2100,
3.1100

 94.7580, 13.5660,
29.4860

 0.0000, 0.0000,
0.0000

 120.4700, 14.4370,
30.2210

 146.2960, 14.9870,
31.2670

 173.1220, 15.5370,
32.3130

 200.5350, 15.8120,

32.8360

■ 224.4760, 14.3000,
27.1960

■ 21.7470, 12.0990,
28.5390

■ 25.5680, 11.0450,
25.6130

■ 28.5030, 9.6700,
22.9980

■ 32.3240, 8.6160,
20.0720

■ 35.8460, 6.9660,
16.9340

■ 39.6670, 5.9120,
14.0080

■ 42.9010, 5.1330,
11.6050

■ 46.4230, 3.4830,
8.4670

■ 50.2440, 2.4290,
5.5410

■ 53.1790, 1.0540,
2.9260

Harmonies

Analogous

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



20.8770, -29.8500, 12.3420



21.7470, 12.0990, 28.5390



23.5670, 29.9810, 23.8450

Triad

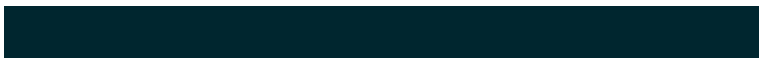
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.7470, 12.0990, 28.5390



24.5640, 15.7270, -4.1850



27.6640, -25.5370, -5.2570

Complementary

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



21.7470, 12.0990, 28.5390



35.2530, -12.0990, -28.5390

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.



24.4720, -16.5490, -13.9650



21.7470, 12.0990, 28.5390



20.2900, -4.3530, -14.7290

Square

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



21.7470, 12.0990, 28.5390



20.8530, 31.4510, 8.2110



21.1320, -9.9000, -18.8280



29.1120, -32.3700, 2.9420

Rectangle

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



21.7470, 12.0990, 28.5390



21.8850, 37.5930, 18.0490



21.1320, -9.9000, -18.8280



26.6380, -22.6480, -8.0560

Sweetspot

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



21.7470, 12.0990, 28.5390



60.4880, 4.8580, 11.0820



10.6070, -20.2220, 14.0660



29.4830, 3.2540, 7.1100



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000

Same Dimension

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



21.7470, 12.0990, 28.5390



28.1700, 15.5820, 37.0060



21.0330, 22.7370, 22.9690



26.2390, 0.8250, 1.5690



35.0060, 19.3400, 45.9960



83.5700, 46.5170, 109.6610

Inverse Universe

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



17.7270, 32.0460, 13.9500



23.0380, 41.5360, 18.1760



35.9670, -22.7370, -22.9690



26.0110, 1.4670, 0.9470



28.6480, 51.6220, 22.6140



68.1030, 123.1410, 53.5810

Previews

White Background



This preview shows how the YIQ color 21.7470, 12.0990, 28.5390 looks on a white background.

Color Contrast Check

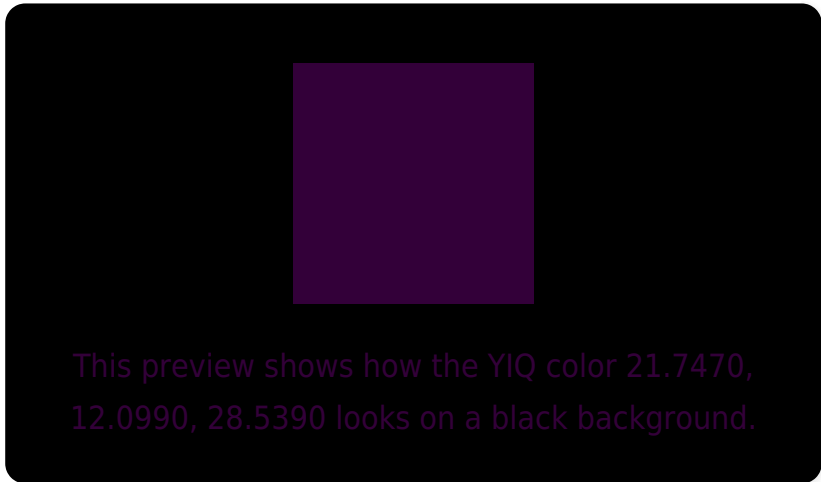
Large Text (above 18pt) WCAG AA ✓ Pass

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

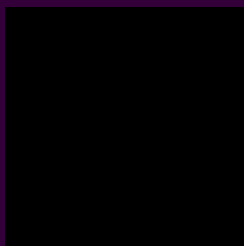
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 21.7470, 12.0990, 28.5390

Background



This preview shows how black text looks on a background with the YIQ color 21.7470, 12.0990, 28.5390.



This preview shows how white text looks on a background with the YIQ color 21.7470, 12.0990,

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

21.7470, 12.0990, 28.5390

Protanopia

23.9770, -27.5560, 3.8040

Deuteranopia

26.7450, -21.0910, 2.2770



Tritanopia

29.7030, 14.2580, 5.9220

Trichromacy



Original Color

21.7470, 12.0990, 28.5390

Protanomaly

23.0870, -12.8860, 13.2740

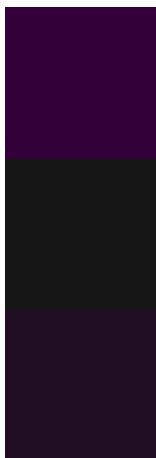
Deuteranomaly

25.1860, -8.8510, 11.7330

Tritanomaly

26.6740, 13.2020, 14.0500

Monochromacy



Original Color

21.7470, 12.0990, 28.5390

Achromatopsia

22.0000, -0.0000, -0.0000

Achromatomaly

22.0750, 4.5830, 10.5590

CSS Examples

Text

The CSS property to change the color of the text to YIQ 21.7470, 12.0990, 28.5390 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, 0, 57)` looks like.

```
.text, #text, p{  
    color:rgb(51, 0, 57)  
}
```

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, 0, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 0, 57) }
```

Border

The CSS property to change the border of an element to YIQ 21.7470, 12.0990, 28.5390 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, 0, 57) }
```


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

```
.border{ border-color:rgb(51, 0, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 0, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 0, 57); -webkit-box-shadow:4px  
4px 4px 4px rgb(51, 0, 57); box-shadow:4px  
4px 4px 4px rgb(51, 0, 57) }
```

Background

The CSS property to change the background color of an element to YIQ 21.7470, 12.0990, 28.5390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 0, 57) }
```

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

```
.background{ background-color: rgb(51, 0,  
57) }
```

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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