

Converting Colors

YIQ(42.1570, 33.6510, 12.3950)

Have a look what the booklet for
YIQ(42.1570, 33.6510, 12.3950)
contains.

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Color

**YIQ(42.1570, 33.6510,
12.3950)**

Conversions

Conversions Part 1

Format	Color
Hex	52191A
RGB	82, 25, 26
RGB Percent	32%, 10%, 10%
CMY	0.6783, 0.9020, 0.8979
CMYK	0.00, 0.70, 0.68, 0.68
HSL	359°, 53%, 21%
HSV	359°, 70%, 32%
XYZ	4.0166, 2.5644, 1.2625
YIQ	42.1570, 33.6510, 12.3950

Conversions

Conversions Part 2

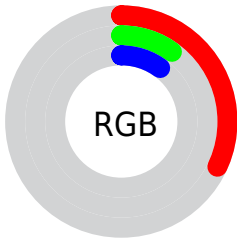
Format	Color
RYB	82, 25, 26
Decimal	5380378
CIELab	18.21, 26.71, 13.71
CIElCh	18, 30.026, 27.168
Yxy	2.5644, 0.5121, 0.3269
Android (android.graphics.Color)	4283570458 (0xFF52191A)
YUV	42.1570, -7.9654, 34.9423
Hunter-Lab	16.0136, 16.7487, 6.5350

Details

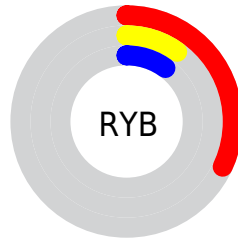
The YIQ color **42.1570, 33.6510, 12.3950** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **64.8430, -33.6510, -12.3950**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **90.4950, 38.5110, 12.4230**, and **9.9810, 19.3470, 7.3070** is the 20% darker color. If you saturate the color by 10%, you get **36.5490, 38.4190, 14.0910**, and if you desaturate by 10%, it is **47.7650, 28.8830, 10.6990**.

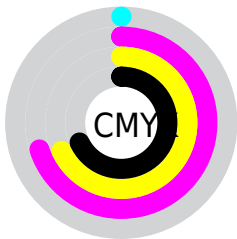
Distribution



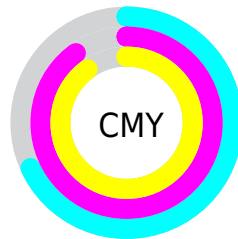
- Red (32%)
- Green (10%)
- Blue (10%)



- Red (32%)
- Yellow (10%)
- Blue (10%)



- Cyan (0%)
- Magenta (70%)
- Yellow (68%)
- Black (68%)



- Cyan (68%)
- Magenta (90%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.1570, 33.6510, 12.3950 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 42.1570, 33.6510, 12.3950 by changing the saturation by 10% instead.

■ 42.1570, 33.6510,
12.3950

■ 42.1570, 33.6510,
12.3950

■ 254.7720, 0.6420,
-0.6220

■ 18.2170, 33.4220,
11.0380

■ 90.4950, 38.5110,
12.4230

■ 9.9810, 19.3470,
7.3070

■ 115.6910, 40.8950,
13.2710

■ 0.0000, 0.0000,
0.0000

■ 141.4740, 43.0040,
13.5960

■ 168.9580, 44.5170,
13.7090

■ 196.4420, 46.0300,
13.8220

■ 217.2770, 33.1930,

9.6810

236.7910, 16.8260,
3.4340

42.1570, 33.6510,
12.3950

42.1570, 33.6510,
12.3950

36.5490, 38.4190,
14.0910

47.7650, 28.8830,
10.6990

30.9410, 43.1870,
15.7870

53.3730, 24.1150,
9.0030

24.7460, 48.2300,
18.0060

59.5680, 19.0720,
6.7840

65.1760, 14.3040,
5.0880

70.7840, 9.5360,
3.3920

■ 76.3920, 4.7680,
1.6960

■ 82.0000, 0.0000,
-0.0000

■ 88.1950, -5.0430,
-2.2190

■ 93.9170, -10.1320,
-3.6040

Harmonies

Analogous

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



42.4910, 27.1390, 20.2830



42.1570, 33.6510, 12.3950



42.2410, 32.8740, -1.0620

Triad

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



42.1570, 33.6510, 12.3950



33.5760, -20.0780, -21.5980



38.2080, -41.4480, 2.2640

Complementary

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



42.1570, 33.6510, 12.3950



64.8430, -33.6510, -12.3950

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.



39.7580, -40.3010, -2.0050



42.1570, 33.6510, 12.3950



36.4860, -28.3320, -15.1800

Square

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



42.1570, 33.6510, 12.3950



39.5270, 7.9810, -17.9950



38.9940, -35.3940, -8.3380



44.9020, -13.8030, 13.3730

Rectangle

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



42.1570, 33.6510, 12.3950



42.3170, 26.5480, -7.5640



38.9940, -35.3940, -8.3380



39.2680, -41.6770, 0.9070

Sweetspot

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



42.1570, 33.6510, 12.3950



91.5780, 13.1120, 4.6640



47.9430, 14.4830, 29.3870



44.1860, 8.3440, 2.9680



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



42.1570, 33.6510, 12.3950



44.8390, 52.4020, 19.4900



57.8920, 26.5470, -2.0370



38.1960, 2.3840, 0.8480



31.6230, 61.9380, 22.8820



69.8240, 136.9880, 50.4280

Inverse Universe

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



42.1570, 33.6510, 12.3950



44.8390, 52.4020, 19.4900



49.1080, -26.5470, 2.0370



38.1960, 2.3840, 0.8480



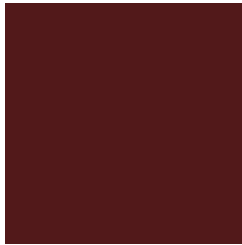
31.6230, 61.9380, 22.8820



69.8240, 136.9880, 50.4280

Previews

White Background



This preview shows how the YIQ color 42.1570, 33.6510, 12.3950 looks on a white background.

Color Contrast Check

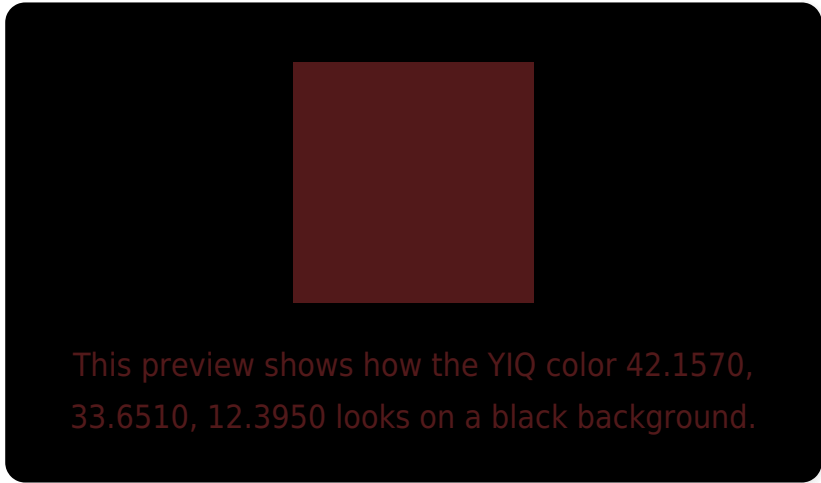
Large Text (above 18pt) WCAG AA ✓ Pass

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

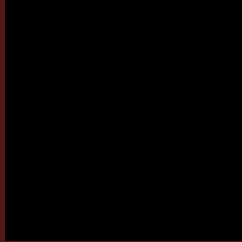
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.1570, 33.6510, 12.3950

Background



This preview shows how black text looks on a background with the YIQ color 42.1570, 33.6510, 12.3950.

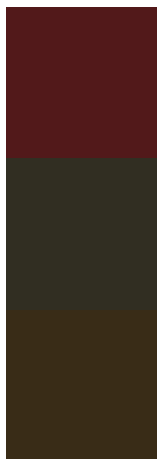


This preview shows how white text looks on a background with the YIQ color 42.1570, 33.6510,

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

42.1570, 33.6510, 12.3950

Protanopia

45.5290, 5.6400, -3.0960

Deuteranopia

45.4930, 14.4890, -3.7750



Tritanopia

42.1570, 33.6510, 12.3950

Trichromacy



Original Color

42.1570, 33.6510, 12.3950

Protanomaly

44.0790, 15.9550, 2.6990

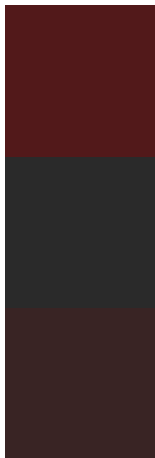
Deuteranomaly

44.1890, 21.4570, 2.1050

Tritanomaly

42.1570, 33.6510, 12.3950

Monochromacy



Original Color

42.1570, 33.6510, 12.3950

Achromatopsia

42.0000, -0.0000, -0.0000

Achromatomaly

42.2790, 12.5160, 4.4520

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.1570, 33.6510, 12.3950 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(82, 25, 26)` looks like.

```
.text, #text, p{  
    color:rgb(82, 25, 26)  
}
```

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(82, 25, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 25, 26) }
```

Border

The CSS property to change the border of an element to YIQ 42.1570, 33.6510, 12.3950 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(82, 25, 26) }
```


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

```
.border{ border-color:rgb(82, 25, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 25, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 25, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 25, 26);  
box-shadow:4px 4px 4px 4px rgb(82, 25, 26)  
}
```

Background

The CSS property to change the background color of an element to YIQ 42.1570, 33.6510, 12.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 25, 26) }
```

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

```
.background{ background-color: rgb(82, 25,  
26) }
```

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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