

Converting Colors

YIQ(46.5350, 33.0070, 24.0710)

Have a look what the booklet for
YIQ(46.5350, 33.0070, 24.0710)
contains.

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Color

**YIQ(46.5350, 33.0070,
24.0710)**

Conversions

Conversions Part 1

Format	Color
Hex	5D1633
RGB	93, 22, 51
RGB Percent	36%, 9%, 20%
CMY	0.6351, 0.9138, 0.7999
CMYK	0.00, 0.76, 0.45, 0.64
HSL	335°, 62%, 23%
HSV	335°, 76%, 36%
XYZ	5.4035, 3.1416, 3.4568
YIQ	46.5350, 33.0070, 24.0710

Conversions

Conversions Part 2

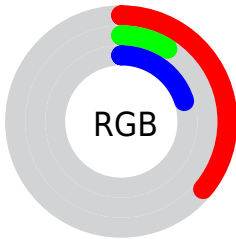
Format	Color
RYB	93, 22, 51
Decimal	6100531
CIELab	20.60, 34.49, -0.22
CIELCh	21, 34.490, 359.632
Yxy	3.1416, 0.4502, 0.2618
Android (android.graphics.Color)	4284290611 (0xFF5D1633)
YUV	46.5350, 2.2012, 40.7498
Hunter-Lab	17.7245, 23.3998, 0.8440

Details

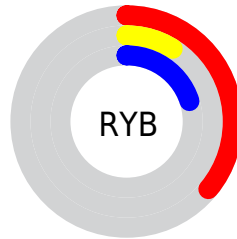
The YIQ color **46.5350, 33.0070, 24.0710** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **68.4650, -33.0070, -24.0710**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **97.2750, 36.6750, 23.6750**, and **14.5090, 26.7280, 11.2080** is the 20% darker color. If you saturate the color by 10%, you get **40.6820, 37.0870, 27.2230**, and if you desaturate by 10%, it is **52.5020, 28.6060, 21.2300**.

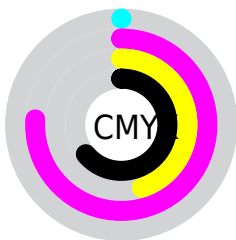
Distribution



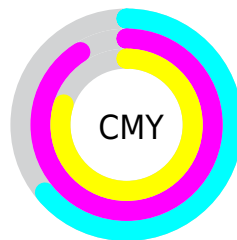
- Red (36%)
- Green (9%)
- Blue (20%)



- Red (36%)
- Yellow (9%)
- Blue (20%)



- Cyan (0%)
- Magenta (76%)
- Yellow (45%)
- Black (64%)



- Cyan (64%)
- Magenta (91%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.5350, 33.0070, 24.0710 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 46.5350, 33.0070, 24.0710 by changing the saturation by 10% instead.

■ 46.5350, 33.0070,
24.0710

■ 46.5350, 33.0070,
24.0710

■ 255.0000, -0.0000,
-0.0000

■ 23.4530, 30.3020,
23.5340

■ 97.2750, 36.6750,
23.6750

■ 14.5090, 26.7280,
11.2080

■ 122.8730, 37.8670,
24.0990

■ 0.0000, 0.0000,
0.0000

■ 149.1830, 39.9300,
25.2580

■ 176.6670, 41.4430,
25.3710

■ 202.5850, 38.7380,
24.8340

■ 222.2130, 22.0500,

18.8980

241.4990, 6.3250,
12.0290

46.5350, 33.0070,
24.0710

46.5350, 33.0070,
24.0710

40.6820, 37.0870,
27.2230

52.5020, 28.6060,
21.2300

34.1280, 41.7630,
30.5870

58.9420, 24.2510,
17.5550

32.1390, 43.2300,
31.5340

64.9090, 19.8500,
14.7140

70.7620, 15.7700,
11.5620

76.7290, 11.3690,
8.7210

■ 83.1690, 7.0140,
5.0460

■ 89.1360, 2.6130,
2.2050

■ 94.9890, -1.4670,
-0.9470

■ 101.5430, -6.1430,
-4.3110

Harmonies

Analogous

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



49.8950, 14.4380, 24.6940



46.5350, 33.0070, 24.0710



46.3210, 39.0610, 13.4690

Triad

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



46.5350, 33.0070, 24.0710



43.3480, 6.9270, -20.9210



45.2350, -46.0780, -1.9340

Complementary

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



46.5350, 33.0070, 24.0710



68.4650, -33.0070, -24.0710

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.



44.2430, -40.5290, -8.8890



46.5350, 33.0070, 24.0710



37.1410, -23.2870, -24.0150

Square

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



46.5350, 33.0070, 24.0710



46.7140, 23.7520, -11.9600



41.3930, -32.5040, -16.6640



42.6250, -46.9960, 3.6920

Rectangle

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



46.5350, 33.0070, 24.0710



46.8120, 38.6960, 3.5600



41.3930, -32.5040, -16.6640



45.2520, -44.7480, -4.0120

Sweetspot

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



46.5350, 33.0070, 24.0710



101.7400, 12.8360, 9.6680



42.3530, 1.6450, 30.7730



49.8810, 7.8850, 5.7810



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000

Same Dimension

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



46.5350, 33.0070, 24.0710



48.0200, 51.1150, 37.3150



46.7510, 40.6660, 11.9140



42.7230, 2.3380, 1.6820



38.0200, 51.1150, 37.3150



81.9210, 110.1150, 80.4110

Inverse Universe

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



46.5350, 33.0070, 24.0710



48.0200, 51.1150, 37.3150



68.2490, -40.6660, -11.9140



42.7230, 2.3380, 1.6820



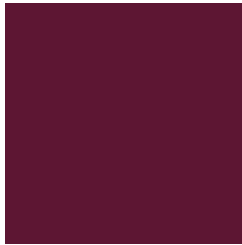
38.0200, 51.1150, 37.3150



81.9210, 110.1150, 80.4110

Previews

White Background



This preview shows how the YIQ color 46.5350, 33.0070, 24.0710 looks on a white background.

Color Contrast Check

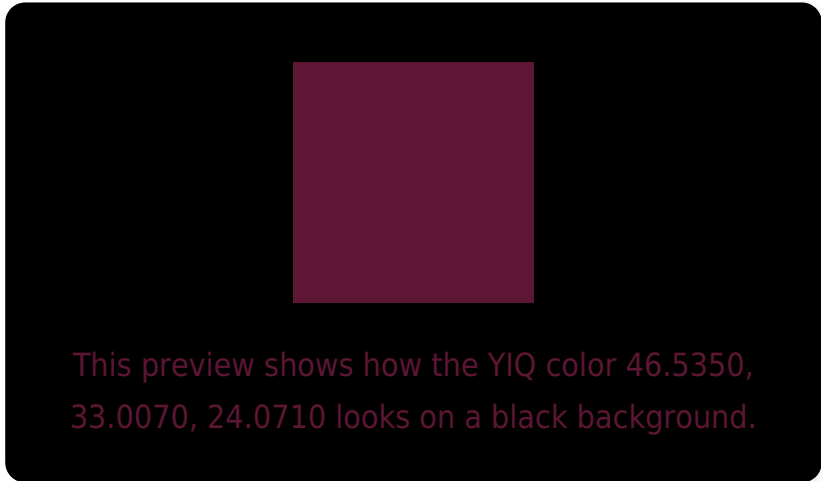
Large Text (above 18pt) WCAG AA ✓ Pass

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

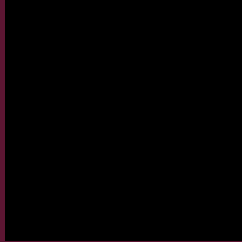
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.5350, 33.0070, 24.0710

Background



This preview shows how black text looks on a background with the YIQ color 46.5350, 33.0070, 24.0710.



This preview shows how white text looks on a background with the YIQ color 46.5350, 33.0070,

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

46.5350, 33.0070, 24.0710

Protanopia

51.7420, -7.8410, 4.4390

Deuteranopia

52.1640, 5.4100, 1.0740



Tritanopia

47.2500, 37.8230, 13.8790

Trichromacy



Original Color

46.5350, 33.0070, 24.0710

Protanomaly

49.6840, 7.2420, 11.9300

Deuteranomaly

50.2950, 15.5870, 9.3710

Tritanomaly

46.9880, 35.8050, 17.4130

Monochromacy



Original Color

46.5350, 33.0070, 24.0710

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

46.9140, 12.2860, 8.6220

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.5350, 33.0070, 24.0710 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(93, 22, 51)` looks like.

```
.text, #text, p{  
    color:rgb(93, 22, 51)  
}
```

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(93, 22, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 22, 51) }
```

Border

The CSS property to change the border of an element to YIQ 46.5350, 33.0070, 24.0710 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(93, 22, 51) }
```


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

```
.border{ border-color:rgb(93, 22, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 22, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 22, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 22, 51);  
box-shadow:4px 4px 4px 4px rgb(93, 22, 51)  
}
```

Background

The CSS property to change the background color of an element to YIQ 46.5350, 33.0070, 24.0710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 22, 51) }
```

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

```
.background{ background-color: rgb(93, 22,  
51) }
```

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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