

Converting Colors

YIQ(46.5290, 23.9760, 17.0320)

Have a look what the booklet for
YIQ(46.5290, 23.9760, 17.0320)
contains.

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Color

**YIQ(46.5290, 23.9760,
17.0320)**

Conversions

Conversions Part 1

Format	Color
Hex	501D31
RGB	80, 29, 49
RGB Percent	31%, 11%, 19%
CMY	0.6861, 0.8863, 0.8078
CMYK	0.00, 0.64, 0.39, 0.69
HSL	336°, 47%, 21%
HSV	336°, 64%, 31%
XYZ	4.3048, 2.8066, 3.2228
YIQ	46.5290, 23.9760, 17.0320

Conversions

Conversions Part 2

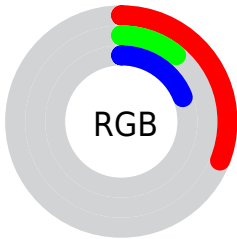
Format	Color
R_{YB}	80, 29, 49
Decimal	5250353
CIE _{Lab}	19.25, 26.28, -1.09
CIE _{LCh}	19, 26.302, 357.631
Yxy	2.8066, 0.4166, 0.2716
Android (android.graphics.Color)	4283440433 (0xFF501D31)
YUV	46.5290, 1.2182, 29.3541
Hunter-Lab	16.7528, 16.5499, 0.3211

Details

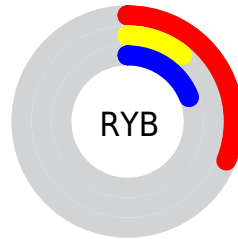
The YIQ color **46.5290, 23.9760, 17.0320** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **62.4710, -23.9760, -17.0320**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **94.6110, 26.6810, 17.5690**, and **11.1770, 21.7310, 8.1550** is the 20% darker color. If you saturate the color by 10%, you get **41.2630, 27.7810, 19.6610**, and if you desaturate by 10%, it is **51.7950, 20.1710, 14.4030**.

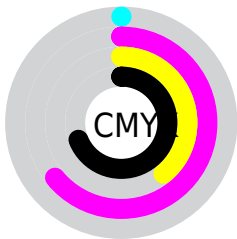
Distribution



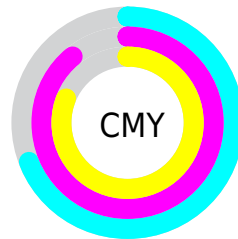
- Red (31%)
- Green (11%)
- Blue (19%)



- Red (31%)
- Yellow (11%)
- Blue (19%)



- Cyan (0%)
- Magenta (64%)
- Yellow (39%)
- Black (69%)



- Cyan (69%)
- Magenta (89%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.5290, 23.9760, 17.0320 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 46.5290, 23.9760, 17.0320 by changing the saturation by 10% instead.

46.5290, 23.9760,
17.0320

46.5290, 23.9760,
17.0320

255.0000, -0.0000,
-0.0000

23.4580, 22.7380,
17.4420

94.6110, 26.6810,
17.5690

11.1770, 21.7310,
8.1550

119.6220, 28.1480,
18.5160

0.0000, 0.0000,
0.0000

146.1060, 29.6610,
18.6290

172.8180, 30.5320,
19.3640

200.4160, 31.7240,
19.7880

223.6320, 22.1880,

16.3960

243.2600, 5.5000,
10.4600

46.5290, 23.9760,
17.0320

46.5290, 23.9760,
17.0320

41.2630, 27.7810,
19.6610

51.7950, 20.1710,
14.4030

35.9970, 31.5860,
22.2900

57.0610, 16.3660,
11.7740

30.7310, 35.3910,
24.9190

62.3270, 12.5610,
9.1450

27.4540, 37.7290,
26.6010

67.4790, 9.0770,
6.2050

72.7450, 5.2720,
3.5760

■ 78.0110, 1.4670,
0.9470

■ 83.2770, -2.3380,
-1.6820

■ 88.5430, -6.1430,
-4.3110

■ 93.8090, -9.9480,
-6.9400

Harmonies

Analogous

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



47.9280, 9.6710, 17.4710



46.5290, 23.9760, 17.0320



45.8360, 30.1210, 10.2890

Triad

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



46.5290, 23.9760, 17.0320



42.6240, 6.3300, -15.6060



40.7040, -40.2090, -3.6730

Complementary

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



46.5290, 23.9760, 17.0320



62.4710, -23.9760, -17.0320

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.



40.1680, -35.9440, -9.3840



46.5290, 23.9760, 17.0320



38.1360, -15.7230, -17.9230

Square

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



46.5290, 23.9760, 17.0320



44.0990, 21.2300, -10.3060



38.0020, -29.8450, -15.2930



38.4530, -40.7600, 0.8080

Rectangle

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



46.5290, 23.9760, 17.0320



45.4350, 29.5720, 3.7160



38.0020, -29.8450, -15.2930



40.8350, -39.2000, -5.4400

Sweetspot

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



46.5290, 23.9760, 17.0320



91.7780, 9.6730, 6.4170



44.0830, 2.1050, 22.4330



45.4570, 6.1430, 4.3110



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.



46.5290, 23.9760, 17.0320



51.8670, 38.0040, 27.1240



47.1840, 29.0210, 8.1970



38.3100, 2.0630, 1.1590



36.0690, 49.4190, 35.0110



79.7420, 109.0610, 77.4850

Inverse Universe

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



46.5290, 23.9760, 17.0320



51.8670, 38.0040, 27.1240



61.8160, -29.0210, -8.1970



38.3100, 2.0630, 1.1590



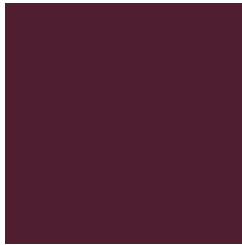
36.0690, 49.4190, 35.0110



79.7420, 109.0610, 77.4850

Previews

White Background



This preview shows how the YIQ color 46.5290, 23.9760, 17.0320 looks on a white background.

Color Contrast Check

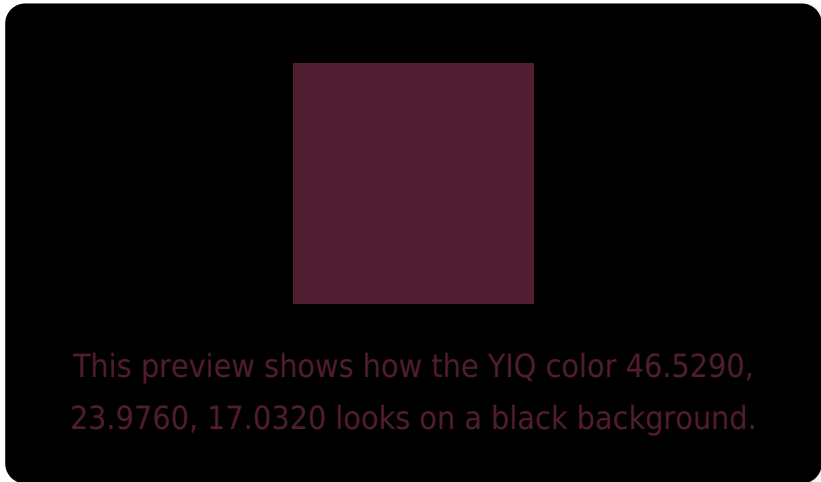
Large Text (above 18pt) WCAG AA ✓ Pass

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

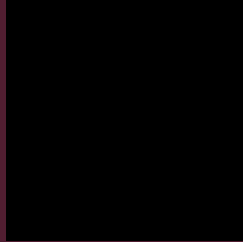
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.5290, 23.9760, 17.0320

Background



This preview shows how black text looks on a background with the YIQ color 46.5290, 23.9760, 17.0320.



This preview shows how white text looks on a background with the YIQ color 46.5290, 23.9760,

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

46.5290, 23.9760, 17.0320

Protanopia

47.8840, -5.3650, 3.6190

Deuteranopia

48.0930, 4.1720, 1.4840



Tritanopia

46.2810, 27.3700, 10.5860

Trichromacy



Original Color

46.5290, 23.9760, 17.0320

Protanomaly

47.2060, 5.5920, 8.7920

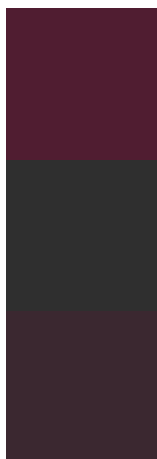
Deuteranomaly

47.6750, 11.4610, 7.0530

Tritanomaly

46.2640, 26.0400, 12.6640

Monochromacy



Original Color

46.5290, 23.9760, 17.0320

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

46.5930, 8.7560, 6.5160

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.5290, 23.9760, 17.0320 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(80, 29, 49)` looks like.

```
.text, #text, p{  
    color:rgb(80, 29, 49)  
}
```

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(80, 29, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 29, 49) }
```

Border

The CSS property to change the border of an element to YIQ 46.5290, 23.9760, 17.0320 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(80, 29, 49) }
```


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

```
.border{ border-color:rgb(80, 29, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 29, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 29, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 29, 49);  
box-shadow:4px 4px 4px 4px rgb(80, 29, 49)  
}
```

Background

The CSS property to change the background color of an element to YIQ 46.5290, 23.9760, 17.0320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 29, 49) }
```

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

```
.background{ background-color: rgb(80, 29,  
49) }
```

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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