

Converting Colors

YIQ(23.6090, 20.9950, 21.4990)

Have a look what the booklet for
YIQ(23.6090, 20.9950, 21.4990)
contains.

YIQ(23.6090, 20.9950, 21.4990)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(23.6090, 20.9950,
21.4990)**

Conversions

Conversions Part 1

Format	Color
Hex	390425
RGB	57, 4, 37
RGB Percent	22%, 2%, 15%
CMY	0.7763, 0.9844, 0.8548
CMYK	0.00, 0.93, 0.35, 0.78
HSL	323°, 87%, 12%
HSV	323°, 93%, 22%
XYZ	2.0668, 1.0910, 1.8531
YIQ	23.6090, 20.9950, 21.4990

Conversions

Conversions Part 2

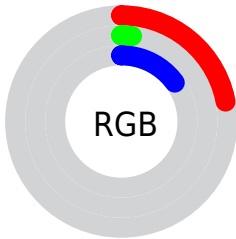
Format	Color
R_{YB}	57, 4, 37
Decimal	3736613
CIE Lab	9.73, 28.66, -7.09
CIE LCh	10, 29.528, 346.112
Yxy	1.0910, 0.4125, 0.2177
Android (android.graphics.Color)	4281926693 (0xFF390425)
YUV	23.6090, 6.6018, 29.2839
Hunter-Lab	10.4450, 17.0423, -3.2076




Details

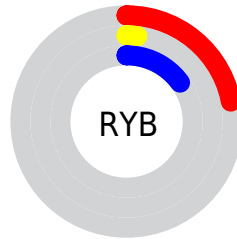
The YIQ color **23.6090, 20.9950, 21.4990** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **37.3910, -20.9950, -21.4990**, and the grayscale version is **24.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **71.8650, 23.1500, 20.9900**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **21.1470, 22.4160, 23.2800**, and if you desaturate by 10%, it is **27.3590, 18.7030, 18.9830**.

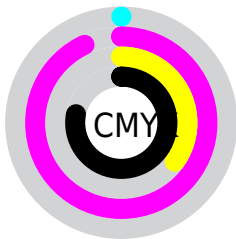
Distribution







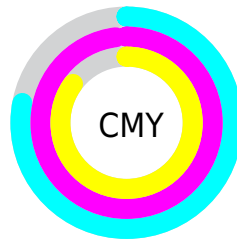
-  Red (22%)
-  Green (2%)
-  Blue (15%)






-  Red (22%)
-  Yellow (2%)
-  Blue (15%)



-  Cyan (0%)
-  Magenta (93%)
-  Yellow (35%)
-  Black (78%)



-  Cyan (78%)
-  Magenta (98%)
-  Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 23.6090, 20.9950, 21.4990 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 23.6090, 20.9950, 21.4990 by changing the saturation by 10% instead.

■ 23.6090, 20.9950,
21.4990

■ 23.6090, 20.9950,
21.4990

■ 243.2600, 5.5000,
10.4600

■ 13.1860, 17.5120,
13.0320

■ 71.2780, 23.4250,
21.5130

■ 0.0000, 0.0000,
0.0000

■ 95.8760, 24.6170,
21.9370


■ 121.4740, 25.8090,
22.3610


■ 147.1860, 26.6800,
23.0960


■ 174.4850, 27.2760,
23.3080


■ 202.1970, 28.1470,


24.0430


 225.1140, 18.0150,
20.4390


 23.6090, 20.9950,
21.4990


 23.6090, 20.9950,
21.4990


 21.1470, 22.4160,
23.2800

 27.3590, 18.7030,
18.9830

 30.5220, 16.6860,
16.9900

 34.2720, 14.3940,
14.4740

 38.1360, 11.7810,
12.2690

 41.2990, 9.7640,
10.2760

■ 45.0490, 7.4720,
7.7600

■ 48.7990, 5.1800,
5.2440

■ 52.5490, 2.8880,
2.7280

■ 55.7120, 0.8710,
0.7350

Harmonies

Analogous

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



27.6220, 1.7850, 17.2170



23.6090, 20.9950, 21.4990



21.8240, 30.3950, 16.3390

Triad

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



23.6090, 20.9950, 21.4990



24.4980, 6.9250, -9.8670



26.8150, -27.2800, -1.2000

Complementary

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



23.6090, 20.9950, 21.4990



37.3910, -20.9950, -21.4990

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.



25.9370, -22.0520, -7.8440



23.6090, 20.9950, 21.4990



19.3710, -9.0750, -17.2590

Square

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



23.6090, 20.9950, 21.4990



26.3580, 19.3030, -2.9130



22.9560, -15.0360, -13.8520



26.3080, -29.9860, 3.7900

Rectangle

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



23.6090, 20.9950, 21.4990



22.3370, 32.9640, 8.3240



22.9560, -15.0360, -13.8520



26.8320, -25.9500, -3.2780

Sweetspot

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



23.6090, 20.9950, 21.4990



60.7610, 8.3430, 8.4950



15.7230, -5.6890, 20.5110



29.7990, 5.1800, 5.2440



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.



23.6090, 20.9950, 21.4990



27.3700, 29.3380, 29.9940



20.6450, 29.3410, 13.4130



26.1250, 1.1460, 1.2580



34.0060, 36.5350, 37.2310



81.0990, 86.5470, 89.0350

Inverse Universe

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



23.6090, 20.9950, 21.4990



27.3700, 29.3380, 29.9940



40.3550, -29.3410, -13.4130



26.1250, 1.1460, 1.2580



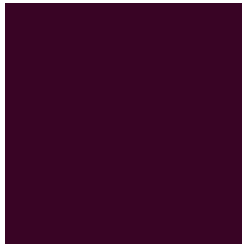
34.0060, 36.5350, 37.2310



81.0990, 86.5470, 89.0350

Previews

White Background



This preview shows how the YIQ color 23.6090, 20.9950, 21.4990 looks on a white background.

Color Contrast Check

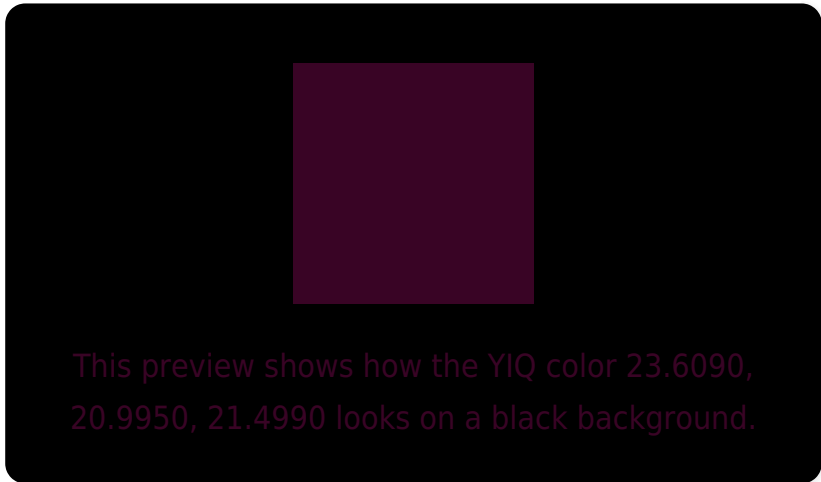
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6090, 20.9950, 21.4990

Background



This preview shows how black text looks on a background with the YIQ color 23.6090, 20.9950, 21.4990.



This preview shows how white text looks on a background with the YIQ color 23.6090, 20.9950,

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

23.6090, 20.9950, 21.4990

Protanopia

29.6320, -13.3430, 5.0330

Deuteranopia

31.0540, -0.0920, 1.6680



Tritanopia

27.3730, 24.1150, 9.0030

Trichromacy



Original Color

23.6090, 20.9950, 21.4990

Protanomaly

27.5520, -1.1940, 10.6300

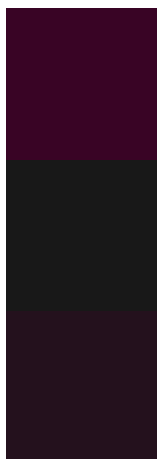
Deuteranomaly

28.5760, 7.4260, 8.5940

Tritanomaly

25.9370, 22.6470, 13.5830

Monochromacy



Original Color

23.6090, 20.9950, 21.4990

Achromatopsia

24.0000, -0.0000, 0.0000

Achromatomaly

24.0490, 7.4720, 7.7600

CSS Examples

Text

The CSS property to change the color of the text to YIQ 23.6090, 20.9950, 21.4990 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(57, 4, 37)` looks like.

```
.text, #text, p{  
    color:rgb(57, 4, 37)  
}
```

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(57, 4, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 4, 37) }
```

Border

The CSS property to change the border of an element to YIQ 23.6090, 20.9950, 21.4990 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(57, 4, 37) }
```


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

```
.border{ border-color:rgb(57, 4, 37) }
```

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

Here you see how a box with a 4 pixel rgb(57, 4, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 4, 37); -webkit-box-shadow:4px  
4px 4px 4px rgb(57, 4, 37); box-shadow:4px  
4px 4px 4px rgb(57, 4, 37) }
```

Background

The CSS property to change the background color of an element to YIQ 23.6090, 20.9950, 21.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 4, 37) }
```

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

```
.background{ background-color: rgb(57, 4,  
37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor