

Converting Colors

YIQ(42.1940, 23.0610, 6.0770)

Have a look what the booklet for
YIQ(42.1940, 23.0610, 6.0770)
contains.

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Color

**YIQ(42.1940, 23.0610,
6.0770)**

Conversions

Conversions Part 1

Format	Color
Hex	44201B
RGB	68, 32, 27
RGB Percent	27%, 13%, 11%
CMY	0.7333, 0.8746, 0.8940
CMYK	0.00, 0.53, 0.60, 0.73
HSL	7°, 43%, 19%
HSV	7°, 60%, 27%
XYZ	3.0996, 2.3412, 1.3269
YIQ	42.1940, 23.0610, 6.0770

Conversions

Conversions Part 2

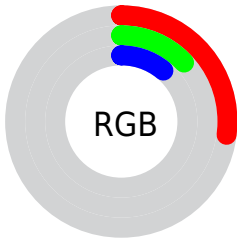
Format	Color
R_{YB}	68, 33, 27
Decimal	4464667
CIE _{Lab}	17.18, 16.71, 11.19
CIE _{LCh}	17, 20.109, 33.812
Yxy	2.3412, 0.4580, 0.3459
Android (android.graphics.Color)	4282654747 (0xFF44201B)
YUV	42.1940, -7.4906, 22.6319
Hunter-Lab	15.3008, 9.3834, 5.5689

Details

The YIQ color **42.1940, 23.0610, 6.0770** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **52.8060, -23.0610, -6.0770**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **88.7600, 27.2790, 6.7270**, and **3.5880, 7.1520, 2.5440** is the 20% darker color. If you saturate the color by 10%, you get **37.8740, 26.9580, 7.0380**, and if you desaturate by 10%, it is **46.5140, 19.1640, 5.1160**.

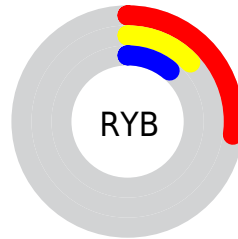
Distribution



Red (27%)

Green (13%)

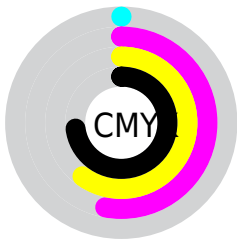
Blue (11%)



Red (27%)

Yellow (13%)

Blue (11%)

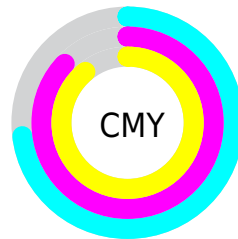


Cyan (0%)

Magenta (53%)

Yellow (60%)

Black (73%)



Cyan (73%)

Magenta (87%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.1940, 23.0610, 6.0770 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 42.1940, 23.0610, 6.0770 by changing the saturation by 10% instead.

■ 42.1940, 23.0610,
6.0770

■ 42.1940, 23.0610,
6.0770

■ 255.0000, -0.0000,
-0.0000

■ 19.9120, 23.7950,
3.7870

■ 88.7600, 27.2790,
6.7270

■ 3.5880, 7.1520,
2.5440

■ 113.3580, 28.4710,
7.1510

■ 0.0000, 0.0000,
0.0000

■ 138.9560, 29.6630,
7.5750

■ 165.4400, 31.1760,
7.6880

■ 193.0380, 32.3680,
8.1120

■ 220.3260, 31.4970,

7.3770

239.9540, 14.8090,
1.4410

42.1940, 23.0610,
6.0770

42.1940, 23.0610,
6.0770

37.8740, 26.9580,
7.0380

46.5140, 19.1640,
5.1160

33.5540, 30.8550,
7.9990

50.8340, 15.2670,
4.1550

29.3480, 34.4310,
9.2710

55.0400, 11.6910,
2.8830

25.0280, 38.3280,
10.2320

59.3600, 7.7940,
1.9220

63.6800, 3.8970,
0.9610

■ 68.0000, -0.0000,
0.0000

■ 72.3200, -3.8970,
-0.9610

■ 76.5260, -7.4730,
-2.2330

■ 80.8460, -11.3700,
-3.1940

Harmonies

Analogous

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



42.9150, 19.7130, 11.6890



42.1940, 23.0610, 6.0770



41.7820, 21.0450, -1.4430

Triad

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



42.1940, 23.0610, 6.0770



36.2550, -14.4400, -13.6400



39.3150, -22.6960, 3.8320

Complementary

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



42.1940, 23.0610, 6.0770



52.8060, -23.0610, -6.0770

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.



35.3410, -34.7530, -3.4330



42.1940, 23.0610, 6.0770



34.3660, -27.8740, -12.4660

Square

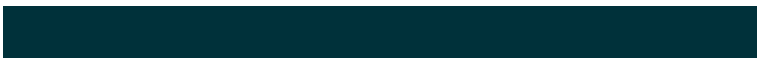
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.1940, 23.0610, 6.0770



39.1060, 2.1570, -11.5630



35.3750, -32.0930, -7.5890



43.5840, -4.2200, 10.4040

Rectangle

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



42.1940, 23.0610, 6.0770



40.6950, 16.7360, -5.9520



35.3750, -32.0930, -7.5890



36.0040, -32.1860, -0.3940

Sweetspot

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



42.1940, 23.0610, 6.0770



78.9580, 8.9860, 2.3460



43.3630, 12.8800, 19.8880



39.5770, 5.6850, 1.5970



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



42.1940, 23.0610, 6.0770



48.8320, 35.9440, 9.3840



53.9340, 17.5610, -4.3830



30.8970, 1.7880, 0.6360



36.0470, 54.5120, 14.2880



82.8250, 126.0790, 33.3670

Inverse Universe

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



52.8060, -23.0610, -6.0770



65.1680, -35.9440, -9.3840



41.0660, -17.5610, 4.3830



32.1030, -1.7880, -0.6360



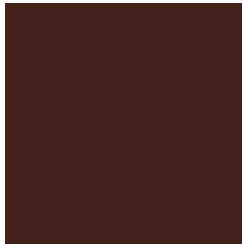
60.9530, -54.5120, -14.2880



141.1750, -126.0790, -33.3670

Previews

White Background



This preview shows how the YIQ color 42.1940, 23.0610, 6.0770 looks on a white background.

Color Contrast Check

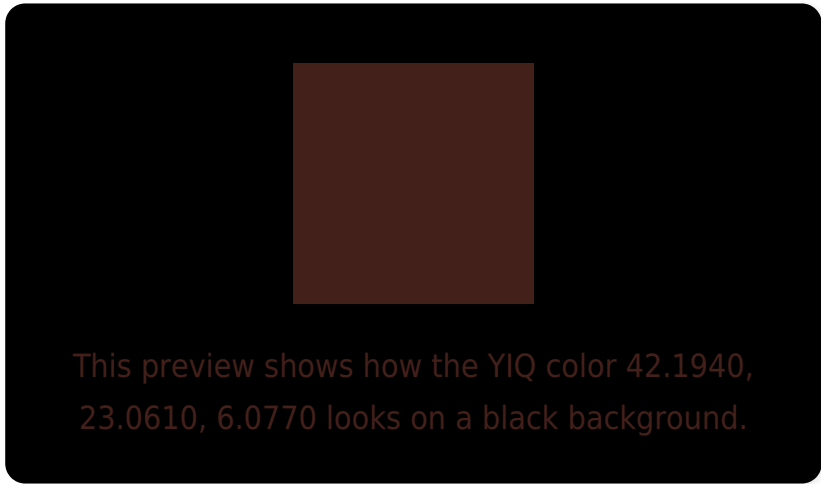
Large Text (above 18pt) WCAG AA ✓ Pass

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

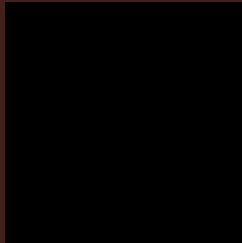
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.1940, 23.0610, 6.0770

Background



This preview shows how black text looks on a background with the YIQ color 42.1940, 23.0610, 6.0770.

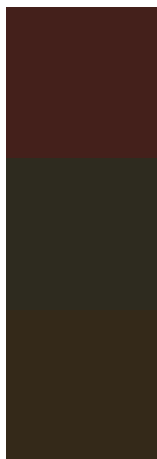


This preview shows how white text looks on a background with the YIQ color 42.1940, 23.0610,

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

42.1940, 23.0610, 6.0770

Protanopia

42.5290, 5.6400, -3.0960

Deuteranopia

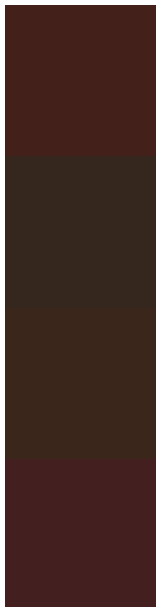
42.4650, 11.6920, -2.6440



Tritanopia

42.2910, 21.4100, 8.4660

Trichromacy



Original Color

42.1940, 23.0610, 6.0770

Protanomaly

42.4590, 11.8290, 0.3810

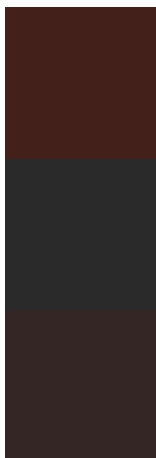
Deuteranomaly

42.6120, 15.7720, 0.5080

Tritanomaly

42.0630, 22.0520, 7.8440

Monochromacy



Original Color

42.1940, 23.0610, 6.0770

Achromatopsia

42.0000, -0.0000, -0.0000

Achromatomaly

41.7730, 8.0690, 2.4450

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.1940, 23.0610, 6.0770 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(68, 32, 27)` looks like.

```
.text, #text, p{  
    color:rgb(68, 32, 27)  
}
```

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(68, 32, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 32, 27) }
```

Border

The CSS property to change the border of an element to YIQ 42.1940, 23.0610, 6.0770 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(68, 32, 27) }
```


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

```
.border{ border-color:rgb(68, 32, 27) }
```

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

Here you see how a box with a 4 pixel rgb(68, 32, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 32, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 32, 27);  
box-shadow:4px 4px 4px 4px rgb(68, 32, 27)  
}
```

Background

The CSS property to change the background color of an element to YIQ 42.1940, 23.0610, 6.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 32, 27) }
```

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

```
.background{ background-color: rgb(68, 32,  
27) }
```

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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