

Converting Colors

YIQ(47.7760, 21.1820, 1.5820)

Have a look what the booklet for
YIQ(47.7760, 21.1820, 1.5820)
contains.

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Color

**YIQ(47.7760, 21.1820,
1.5820)**

Conversions

Conversions Part 1

Format	Color
Hex	45291B
RGB	69, 41, 27
RGB Percent	27%, 16%, 11%
CMY	0.7294, 0.8393, 0.8940
CMYK	0.00, 0.41, 0.61, 0.73
HSL	20°, 44%, 19%
HSV	20°, 61%, 27%
XYZ	3.4459, 2.9301, 1.4223
YIQ	47.7760, 21.1820, 1.5820

Conversions

Conversions Part 2

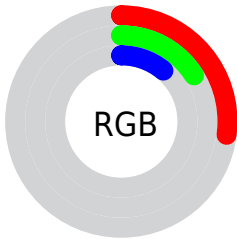
Format	Color
RYB	69, 48, 27
Decimal	4532507
CIELab	19.76, 11.34, 14.56
CIELCh	20, 18.452, 52.077
Yxy	2.9301, 0.4419, 0.3757
Android (android.graphics.Color)	4282722587 (0xFF45291B)
YUV	47.7760, -10.2426, 18.6134
Hunter-Lab	17.1174, 5.9787, 7.0557

Details

The YIQ color **47.7760, 21.1820, 1.5820** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **48.2240, -21.1820, -1.5820**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **94.1570, 24.4830, 2.3310**, and **6.5780, 13.1120, 4.6640** is the 20% darker color. If you saturate the color by 10%, you get **44.0430, 24.8040, 2.0200**, and if you desaturate by 10%, it is **51.5090, 17.5600, 1.1440**.

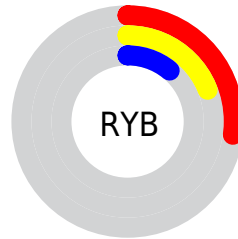
Distribution



Red (27%)

Green (16%)

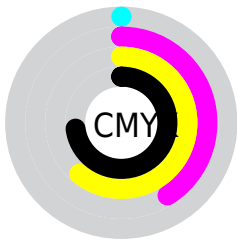
Blue (11%)



Red (27%)

Yellow (19%)

Blue (11%)

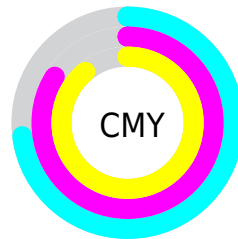


Cyan (0%)

Magenta (41%)

Yellow (61%)

Black (73%)



Cyan (73%)

Magenta (84%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 47.7760, 21.1820, 1.5820 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 47.7760, 21.1820, 1.5820 by changing the saturation by 10% instead.

■ 47.7760, 21.1820,
1.5820

■ 47.7760, 21.1820,
1.5820

■ 255.0000, -0.0000,
-0.0000

■ 25.6080, 21.5950,
-0.3970

■ 94.1570, 24.4830,
2.3310

■ 6.5780, 13.1120,
4.6640

■ 119.5270, 26.3170,
2.1330

■ 0.0000, 0.0000,
0.0000

■ 145.1250, 27.5090,
2.5570

■ 172.3100, 28.4260,
2.4580

■ 199.4950, 29.3430,
2.3590

■ 226.3100, 28.4260,

2.4580

■ 246.5250, 11.4630,
-4.0010

■ 47.7760, 21.1820,
1.5820

■ 47.7760, 21.1820,
1.5820

■ 44.0430, 24.8040,
2.0200

■ 51.5090, 17.5600,
1.1440

■ 40.8970, 28.1510,
1.9350

■ 54.6550, 14.2130,
1.2290

■ 37.1640, 31.7730,
2.3730

■ 58.3880, 10.5910,
0.7910

■ 34.1320, 34.7990,
2.5990

■ 61.5340, 7.2440,
0.8760

■ 65.2670, 3.6220,
0.4380

■ 68.8860, 0.3210,
-0.3110

■ 72.0320, -3.0260,
-0.2260

■ 75.7650, -6.6480,
-0.6640

■ 78.9110, -9.9950,
-0.5790

Harmonies

Analogous

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



48.1770, 21.7310, 8.1550



47.7760, 21.1820, 1.5820



47.0370, 15.7730, -5.0190

Triad

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



47.7760, 21.1820, 1.5820



39.9920, -23.8850, -13.1730



48.4800, -9.8590, 7.9730

Complementary

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



47.7760, 21.1820, 1.5820



48.2240, -21.1820, -1.5820

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.



43.1680, -26.7760, 0.6800



47.7760, 21.1820, 1.5820



38.7830, -33.4220, -11.0380

Square

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



47.7760, 21.1820, 1.5820



43.6150, -6.6460, -11.7180



38.9770, -36.7240, -6.2600



49.6020, 4.5370, 11.3930

Rectangle

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



47.7760, 21.1820, 1.5820



46.4060, 10.1800, -8.2840



38.9770, -36.7240, -6.2600



46.7890, -15.2230, 6.0650

Sweetspot

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



47.7760, 21.1820, 1.5820



81.3060, 7.8860, 0.2540



42.8640, 15.7230, 17.9230



40.7510, 5.1350, 0.5510



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.



47.7760, 21.1820, 1.5820



56.3490, 32.6900, 2.2740



59.5160, 15.6820, -8.8780



33.7830, 2.1090, 0.3250



48.9720, 49.9290, 3.7290



111.8980, 114.6670, 8.8990

Inverse Universe

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



48.2240, -21.1820, -1.5820



57.2380, -32.9650, -2.7970



36.4840, -15.6820, 8.8780



34.2170, -2.1090, -0.3250



50.0280, -49.9290, -3.7290



114.5150, -114.3920, -8.3760

Previews

White Background



This preview shows how the YIQ color 47.7760, 21.1820, 1.5820 looks on a white background.

Color Contrast Check

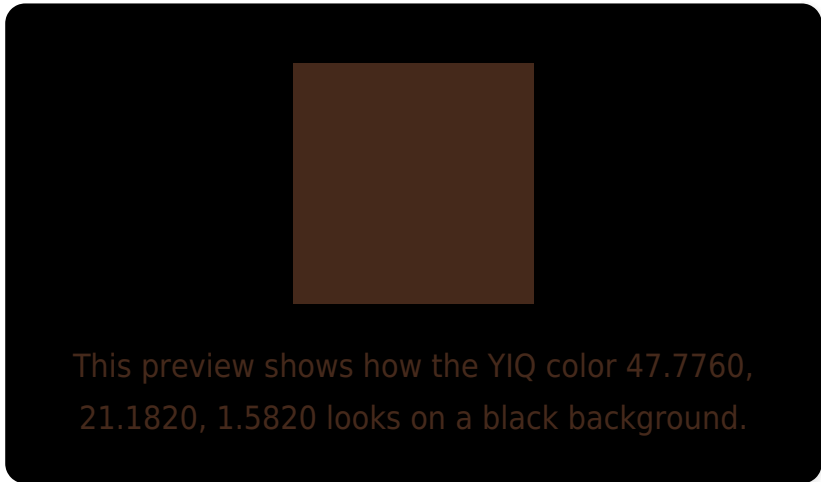
Large Text (above 18pt) WCAG AA ✓ Pass

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

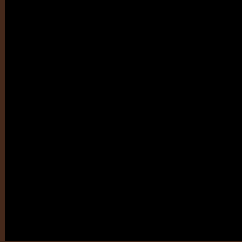
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 47.7760, 21.1820, 1.5820

Background



This preview shows how black text looks on a background with the YIQ color 47.7760, 21.1820, 1.5820.

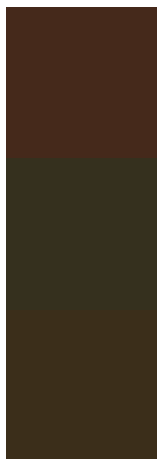


This preview shows how white text looks on a background with the YIQ color 47.7760, 21.1820,

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

47.7760, 21.1820, 1.5820

Protanopia

47.4430, 8.7580, -4.5380

Deuteranopia

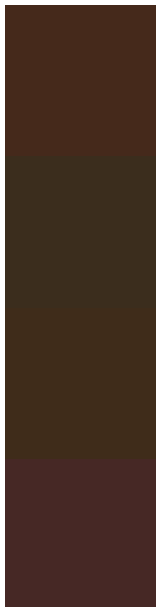
47.6070, 14.1680, -3.4640



Tritanopia

48.6110, 17.5130, 7.5050

Trichromacy



Original Color

47.7760, 21.1820, 1.5820

Protanomaly

47.3620, 13.4800, -2.0080

Deuteranomaly

47.6290, 17.1020, -1.5700

Tritanomaly

48.6280, 18.8430, 5.4270

Monochromacy



Original Color

47.7760, 21.1820, 1.5820

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

47.7190, 8.1610, 0.7770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.7760, 21.1820, 1.5820 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(69, 41, 27)` looks like.

```
.text, #text, p{  
    color:rgb(69, 41, 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(69, 41, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 41, 27) }
```

Border

The CSS property to change the border of an element to YIQ 47.7760, 21.1820, 1.5820 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(69, 41, 27) }
```


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

```
.border{ border-color:rgb(69, 41, 27) }
```

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

Here you see how a box with a 4 pixel rgb(69, 41, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 41, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 41, 27);  
box-shadow:4px 4px 4px 4px rgb(69, 41, 27)  
}
```

Background

The CSS property to change the background color of an element to YIQ 47.7760, 21.1820, 1.5820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 41, 27) }
```

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

```
.background{ background-color: rgb(69, 41,  
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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