

Converting Colors

YIQ(51.9790, 21.6880, -7.5920)

Have a look what the booklet for
YIQ(51.9790, 21.6880, -7.5920)
contains.

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Color

**YIQ(51.9790, 21.6880,
-7.5920)**

Conversions

Conversions Part 1

Format	Color
Hex	44330F
RGB	68, 51, 15
RGB Percent	27%, 20%, 6%
CMY	0.7333, 0.8000, 0.9411
CMYK	0.00, 0.25, 0.78, 0.73
HSL	41°, 64%, 16%
HSV	41°, 78%, 27%
XYZ	3.6542, 3.6307, 0.9612
YIQ	51.9790, 21.6880, -7.5920

Conversions

Conversions Part 2

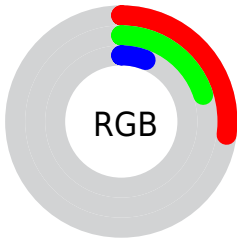
Format	Color
RYB	40, 68, 15
Decimal	4469519
CIELab	22.41, 3.19, 24.89
CIElCh	22, 25.094, 82.699
Yxy	3.6307, 0.4431, 0.4403
Android (android.graphics.Color)	4282659599 (0xFF44330F)
YUV	51.9790, -18.2306, 14.0504
Hunter-Lab	19.0544, 0.8866, 10.3471

Details

The YIQ color **51.9790, 21.6880, -7.5920** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **31.0210, -21.6880, 7.5920**, and the grayscale version is **52.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **98.9470, 24.7140, -7.3660**, and **9.2030, 9.6740, 0.8900** is the 20% darker color. If you saturate the color by 10%, you get **50.0070, 24.4850, -8.7230**, and if you desaturate by 10%, it is **53.9510, 18.8910, -6.4610**.

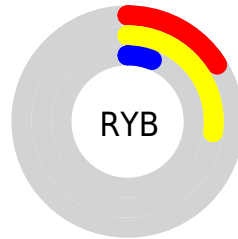
Distribution



 Red (27%)

 Green (20%)

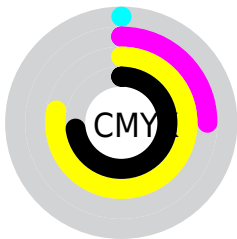
 Blue (6%)



 Red (16%)

 Yellow (27%)

 Blue (6%)

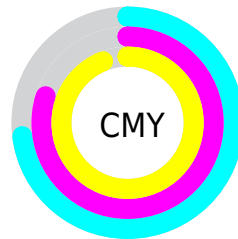


 Cyan (0%)

 Magenta (25%)

 Yellow (78%)

 Black (73%)



 Cyan (73%)

 Magenta (80%)

 Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.9790, 21.6880, -7.5920 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 51.9790, 21.6880, -7.5920 by changing the saturation by 10% instead.

■ 51.9790, 21.6880,
-7.5920

■ 51.9790, 21.6880,
-7.5920

■ 253.5180, 4.1730,
-4.0430

■ 31.0650, 18.5700,
-6.1500

■ 98.9470, 24.7140,
-7.3660

■ 9.2030, 9.6740,
0.8900

■ 124.3170, 26.5480,
-7.5640

■ 0.0000, 0.0000,
0.0000

■ 150.5020, 27.4650,
-7.6630

■ 176.9860, 28.9780,
-7.5500

■ 204.8720, 29.2990,
-7.8610

■ 232.4590, 29.0240,

-8.3840

■ 250.3260, 13.1610,
-12.7510

■ 51.9790, 21.6880,
-7.5920

■ 51.9790, 21.6880,
-7.5920

■ 50.0070, 24.4850,
-8.7230

■ 53.9510, 18.8910,
-6.4610

■ 48.0350, 27.2820,
-9.8540

■ 55.9230, 16.0940,
-5.3300

■ 47.3340, 27.8780,
-9.6420

■ 58.3680, 13.3430,
-5.0330

■ 60.3400, 10.5460,
-3.9020

■ 62.3120, 7.7490,
-2.7710

■ 64.2840, 4.9520,
-1.6400

■ 66.2560, 2.1550,
-0.5090

■ 68.1140, -0.3210,
0.3110

■ 70.6730, -3.3930,
0.9190

Harmonies

Analogous

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



52.7830, 28.4720, 1.6240



51.9790, 21.6880, -7.5920



50.3470, 8.6680, -13.9240

Triad

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



51.9790, 21.6880, -7.5920



44.6190, -38.8320, -12.1120



55.4330, 6.6910, 16.4110

Complementary

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



51.9790, 21.6880, -7.5920



31.0210, -21.6880, 7.5920

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.



53.4350, -13.9860, 11.1820



51.9790, 21.6880, -7.5920



45.2690, -43.4180, -6.0900

Square

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



51.9790, 21.6880, -7.5920



42.4530, -32.7330, -18.0210



43.7190, -44.5650, -1.8210



54.4470, 21.2710, 16.4950

Rectangle

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



51.9790, 21.6880, -7.5920



48.8340, -3.0690, -15.9730



43.7190, -44.5650, -1.8210



55.0840, 0.3640, 15.4360

Sweetspot

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



51.9790, 21.6880, -7.5920



83.1980, 8.0700, -3.0820



32.8990, 25.8100, 16.8340



42.1700, 5.2730, -1.9510



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.



51.9790, 21.6880, -7.5920



64.2760, 33.7930, -12.2150



59.2670, 11.6490, -18.3910



32.0710, 1.2380, -0.4100



67.7450, 39.6620, -13.9540



156.2000, 91.7040, -32.0080

Inverse Universe

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



31.0210, -21.6880, 7.5920



31.3110, -34.0680, 11.6920



23.7330, -11.6490, 18.3910



30.9290, -1.2380, 0.4100



29.2550, -39.6620, 13.9540



67.8000, -91.7040, 32.0080

Previews

White Background



This preview shows how the YIQ color 51.9790, 21.6880, -7.5920 looks on a white background.

Color Contrast Check

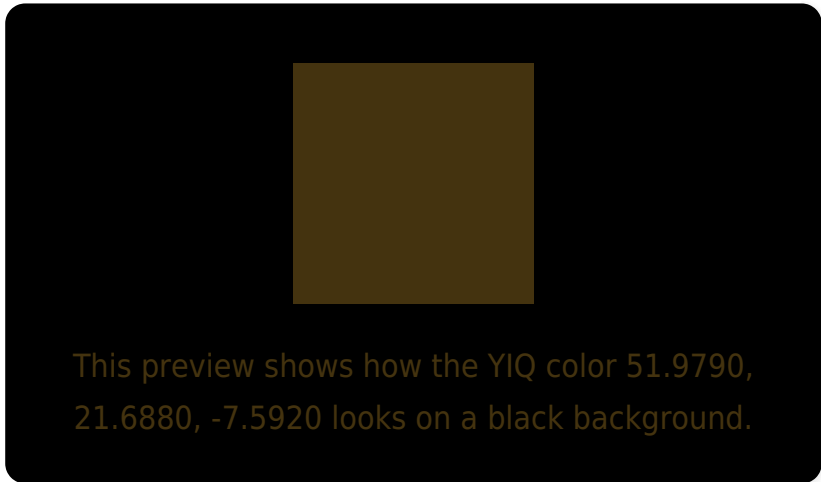
Large Text (above 18pt) WCAG AA ✓ Pass

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

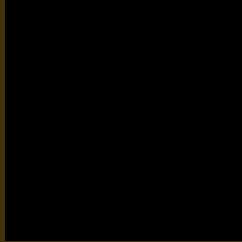
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.9790, 21.6880, -7.5920

Background



This preview shows how black text looks on a background with the YIQ color 51.9790, 21.6880, -7.5920.



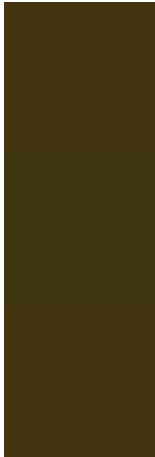
This preview shows how white text looks on a background with the YIQ color 51.9790, 21.6880,

-7.5920.

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

51.9790, 21.6880, -7.5920

Protanopia

51.4620, 15.7740, -10.5460

Deuteranopia

51.9790, 21.6880, -7.5920



Tritanopia

54.9200, 12.1490, 5.5970

Trichromacy



Original Color

51.9790, 21.6880, -7.5920

Protanomaly

51.7720, 17.8370, -9.3870

Deuteranomaly

51.9790, 21.6880, -7.5920

Tritanomaly

53.7260, 15.4510, 0.8190

Monochromacy



Original Color

51.9790, 21.6880, -7.5920

Achromatopsia

52.0000, -0.0000, -0.0000

Achromatomaly

52.3120, 7.7490, -2.7710

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.9790, 21.6880, -7.5920 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, 51, 15)` looks like.

```
.text, #text, p{  
    color:rgb(68, 51, 15)  
}
```

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, 51, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 51, 15) }
```

Border

The CSS property to change the border of an element to YIQ 51.9790, 21.6880, -7.5920 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, 51, 15) }
```


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

```
.border{ border-color:rgb(68, 51, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 51, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 51, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 51, 15);  
box-shadow:4px 4px 4px 4px rgb(68, 51, 15)  
}
```

Background

The CSS property to change the background color of an element to YIQ 51.9790, 21.6880, -7.5920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 51, 15) }
```

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

```
.background{ background-color: rgb(68, 51,  
15) }
```

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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