

Converting Colors

YIQ(42.5500, 18.3420, -13.0340)

Have a look what the booklet for
YIQ(42.5500, 18.3420, -13.0340)
contains.

YIQ(42.5500, 18.3420, -13.0340)	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(42.5500, 18.3420,
-13.0340)**

Conversions

Conversions Part 1

Format	Color
Hex	342E00
RGB	52, 46, 0
RGB Percent	20%, 18%, 0%
CMY	0.7961, 0.8196, 0.9999
CMYK	0.00, 0.12, 1.00, 0.80
HSL	53°, 100%, 10%
HSV	53°, 100%, 20%
XYZ	2.3930, 2.6838, 0.3927
YIQ	42.5500, 18.3420, -13.0340

Conversions

Conversions Part 2

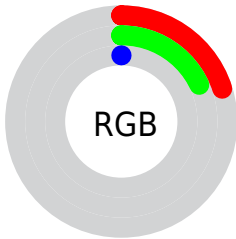
Format	Color
R_{YB}	7, 52, 0
Decimal	3419648
CIE Lab	18.73, -3.15, 26.68
CIE LCh	19, 26.863, 96.743
Yxy	2.6838, 0.4375, 0.4907
Android (android.graphics.Color)	4281609728 (0xFF342E00)
YUV	42.5500, -20.9771, 8.2877
Hunter-Lab	16.3823, -2.5950, 10.0464

Details

The YIQ color **42.5500, 18.3420, -13.0340** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9.4500, -18.3420, 13.0340**, and the grayscale version is **43.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **89.2620, 19.2130, -12.2990**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **42.5500, 18.3420, -13.0340**, and if you desaturate by 10%, it is **43.7070, 16.4620, -12.0020**.

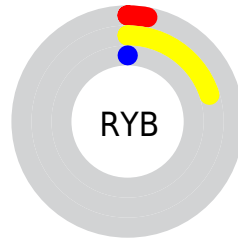
Distribution



Red (20%)

Green (18%)

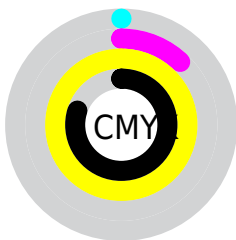
Blue (0%)



Red (3%)

Yellow (20%)

Blue (0%)

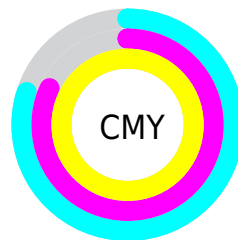


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (80%)



Cyan (80%)

Magenta (82%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.5500, 18.3420, -13.0340 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 42.5500, 18.3420, -13.0340 by changing the saturation by 10% instead.

■ 42.5500, 18.3420,
-13.0340

■ 42.5500, 18.3420,
-13.0340

■ 251.9220, 8.6670,
-8.3970

■ 23.3460, 10.4090,
-6.9270

■ 89.2620, 19.2130,
-12.2990

■ 0.0000, 0.0000,
0.0000

■ 113.7460, 20.7260,
-12.1860

■ 139.5180, 21.3680,
-12.8080

■ 166.0020, 22.8810,
-12.6950

■ 193.1870, 23.7980,
-12.7940

■ 221.0730, 24.1190,

-13.1050

■ 246.8550, 18.8010,
-15.8470

■ 42.5500, 18.3420,
-13.0340

■ 43.7070, 16.4620,
-12.0020

■ 44.2770, 14.8570,
-10.4470

■ 45.5480, 12.6560,
-9.1040

■ 46.1180, 11.0510,
-7.5490

■ 47.2750, 9.1710,
-6.5170

■ 48.4320, 7.2910,
-5.4850

■ 49.0020, 5.6860,
-3.9300

■ 50.2730, 3.4850,
-2.5870

■ 50.8430, 1.8800,
-1.0320

Harmonies

Analogous

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



43.9090, 27.8770, -4.1150



42.5500, 18.3420, -13.0340



40.4600, 0.9200, -16.6800

Triad

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



42.5500, 18.3420, -13.0340



39.4500, -36.6780, -7.0940



46.0920, 15.0810, 18.5450

Complementary

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



42.5500, 18.3420, -13.0340



9.4500, -18.3420, 13.0340

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.



46.6320, -4.1750, 15.0970



42.5500, 18.3420, -13.0340



39.7580, -40.3010, -2.0050

Square

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



42.5500, 18.3420, -13.0340



37.9850, -31.1750, -13.2150



39.2690, -34.2500, 3.9740



44.8560, 27.3690, 16.1130

Rectangle

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



42.5500, 18.3420, -13.0340



37.0220, -15.4020, -18.2340



39.2690, -34.2500, 3.9740



47.0420, 9.3500, 17.7820

Sweetspot

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



42.5500, 18.3420, -13.0340



64.8450, 7.5660, -4.9620



16.2320, 29.0660, 12.8900



33.3440, 4.7230, -2.9970



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

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



42.5500, 18.3420, -13.0340



56.4380, 24.3490, -17.2750



40.0920, 4.7720, -20.4120



25.0710, 1.2380, -0.4100



72.9840, 31.3190, -22.4490



177.5870, 76.5320, -54.4120

Inverse Universe

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



9.4500, -18.3420, 13.0340



12.5620, -24.3490, 17.2750



11.9080, -4.7720, 20.4120



23.3420, -0.9630, 0.9330



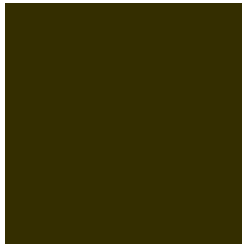
16.0160, -31.3190, 22.4490



39.4130, -76.5320, 54.4120

Previews

White Background



This preview shows how the YIQ color 42.5500, 18.3420, -13.0340 looks on a white background.

Color Contrast Check

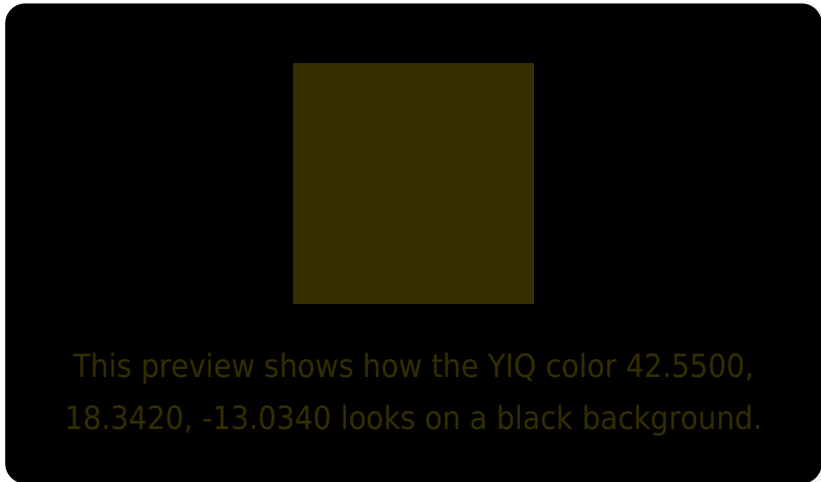
Large Text (above 18pt) WCAG AA ✓ Pass

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

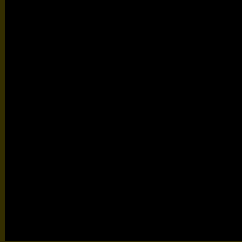
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.5500, 18.3420, -13.0340

Background



This preview shows how black text looks on a background with the YIQ color 42.5500, 18.3420, -13.0340.



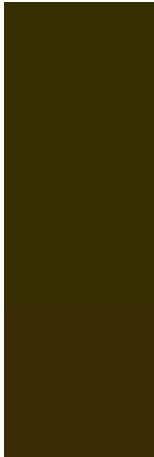
This preview shows how white text looks on a background with the YIQ color 42.5500, 18.3420,

-13.0340.

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

42.5500, 18.3420, -13.0340

Protanopia

42.6640, 18.0210, -12.7230

Deuteranopia

43.8540, 20.5420, -8.8500



Tritanopia

46.9300, 6.1890, 3.4770

Trichromacy



Original Color

42.5500, 18.3420, -13.0340

Protanomaly

42.6640, 18.0210, -12.7230

Deuteranomaly

43.6150, 19.7170, -10.4190

Tritanomaly

45.2800, 10.7750, -2.5450

Monochromacy



Original Color

42.5500, 18.3420, -13.0340

Achromatopsia

43.0000, -0.0000, -0.0000

Achromatomaly

42.6600, 6.6490, -4.8630

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.5500, 18.3420, -13.0340 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(52, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(52, 46, 0)  
}
```

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(52, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 46, 0) }
```

Border

The CSS property to change the border of an element to YIQ 42.5500, 18.3420, -13.0340 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(52, 46, 0) }
```


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

```
.border{ border-color:rgb(52, 46, 0) }
```

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

Here you see how a box with a 4 pixel rgb(52, 46, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 46, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(52, 46, 0); box-shadow:4px  
4px 4px 4px rgb(52, 46, 0) }
```

Background

The CSS property to change the background color of an element to YIQ 42.5500, 18.3420, -13.0340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 46, 0) }
```

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

```
.background{ background-color: rgb(52, 46,  
0) }
```

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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