

Converting Colors

YIQ(42.5550, -24.7530,
-30.4890)

Have a look what the booklet for
YIQ(42.5550, -24.7530, -30.4890)
contains.

YIQ(42.5550, -24.7530, -30.4890)	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(42.5550, -24.7530,
-30.4890)**

Conversions

Conversions Part 1

Format	Color
Hex	004512
RGB	0, 69, 18
RGB Percent	0%, 27%, 7%
CMY	1.0000, 0.7293, 0.9295
CMYK	1.00, 0.00, 0.74, 0.73
HSL	136°, 100%, 14%
HSV	136°, 100%, 27%
XYZ	2.2390, 4.3034, 1.2843
YIQ	42.5550, -24.7530, -30.4890

Conversions

Conversions Part 2

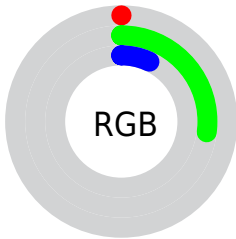
Format	Color
RYB	0, 55, 69
Decimal	17682
CIELab	24.65, -31.89, 24.56
CIELCh	25, 40.248, 142.394
Yxy	4.3034, 0.2861, 0.5498
Android (android.graphics.Color)	4278207762 (0xFF004512)
YUV	42.5550, -12.1056, -37.3207
Hunter-Lab	20.7447, -17.0378, 10.8508

Details

The YIQ color **42.5550, -24.7530, -30.4890** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **26.4450, 24.7530, 30.4890**, and the grayscale version is **43.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **94.0890, -17.5090, -29.6130**, and **14.6750, -6.8750, -13.0750** is the 20% darker color. If you saturate the color by 10%, you get **42.5550, -24.7530, -30.4890**, and if you desaturate by 10%, it is **45.2180, -22.1860, -27.4500**.

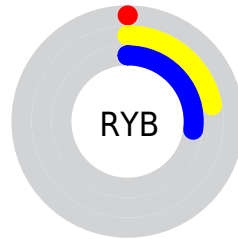
Distribution



Red (0%)

Green (27%)

Blue (7%)



Red (0%)

Yellow (22%)

Blue (27%)

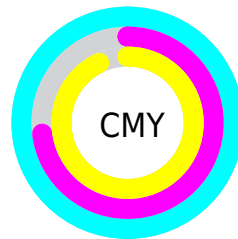


Cyan (100%)

Magenta (0%)

Yellow (74%)

Black (73%)



Cyan (100%)


Magenta (73%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 42.5550, -24.7530, -30.4890 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 42.5550, -24.7530, -30.4890 by changing the saturation by 10% instead.


 42.5550, -24.7530,
-30.4890


 42.5550, -24.7530,
-30.4890

 252.4080, -1.3290,
-3.4490


 27.0020, -12.6500,
-24.0580


 94.0890, -17.5090,
-29.6130


 14.6750, -6.8750,
-13.0750

 119.5620,
-17.4630, -30.4470

 0.0000, 0.0000,
0.0000


 146.0350,
-17.4170, -31.2810


 172.8070,
-16.7750, -31.9030


 200.9810,
-17.3250, -32.9490


 228.8670,


-17.0040, -33.2600


 240.4310, -9.3040,
-18.6160


 42.5550, -24.7530,
-30.4890

 45.2180, -22.1860,
-27.4500

 47.8810, -19.6190,
-24.4110

 50.5440, -17.0520,
-21.3720

 53.2070, -14.4850,
-18.3330

 55.9840, -12.2390,
-14.9830

■ 58.3480, -10.2680,
-12.1560

■ 61.0110, -7.7010,
-9.1170

■ 63.6740, -5.1340,
-6.0780

■ 66.3370, -2.5670,
-3.0390

Harmonies

Analogous

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



52.8170, 12.7960, -22.6600



42.5550, -24.7530, -30.4890



47.9640, -35.8500, -22.1060

Triad

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



42.5550, -24.7530, -30.4890



51.7210, -56.0740, 3.0140



53.2560, 46.8540, 20.9180

Complementary

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



42.5550, -24.7530, -30.4890



26.4450, 24.7530, 30.4890

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.



54.7190, 35.6650, 30.9690



42.5550, -24.7530, -30.4890



56.4690, -28.5210, 15.7910

Square

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



42.5550, -24.7530, -30.4890



53.1740, -53.2760, -3.6440



59.8500, 10.3110, 27.9030



54.8790, 45.7570, 2.2450

Rectangle

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



42.5550, -24.7530, -30.4890



50.3580, -42.5910, -15.5750



59.8500, 10.3110, 27.9030



52.9340, 45.0650, 25.8090

Sweetspot

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



42.5550, -24.7530, -30.4890



78.6470, -9.6720, -11.9440



56.0510, 12.0170, -25.0630



39.5490, -6.2800, -7.3360



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.



42.5550, -24.7530, -30.4890



54.8650, -31.8580, -39.3940



46.4310, -35.6670, -19.9150



34.4620, -1.4210, -1.7810



61.0770, -35.5710, -43.6910



139.9750, -81.3640, -100.3720

Inverse Universe

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



26.4450, 24.7530, 30.4890



34.1350, 31.8580, 39.3940



22.5690, 35.6670, 19.9150



33.5380, 1.4210, 1.7810



38.0370, 35.2500, 44.0020



87.0250, 81.3640, 100.3720

Previews

White Background



This preview shows how the YIQ color 42.5550, -24.7530, -30.4890 looks on a white background.

Color Contrast Check

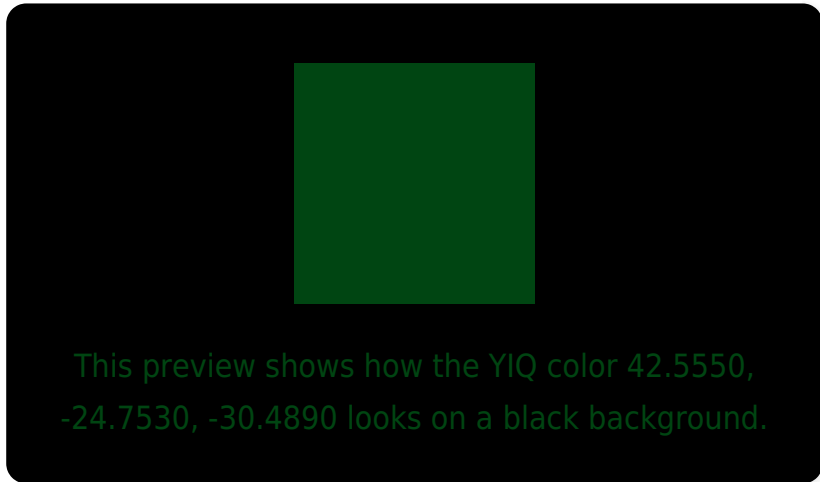
Large Text (above 18pt) WCAG AA ✓ Pass

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

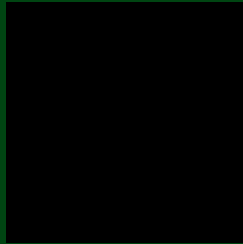
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.5550, -24.7530, -30.4890

Background



This preview shows how black text looks on a background with the YIQ color 42.5550, -24.7530, -30.4890.



This preview shows how white text looks on a background with the YIQ color 42.5550, -24.7530,

-30.4890.

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

42.5550, -24.7530, -30.4890

Protanopia

56.0770, 18.2960, -12.2000

Deuteranopia

57.6200, 21.3210, -6.4470



Tritanopia

53.9200, -23.3820, -5.7660

Trichromacy



Original Color

42.5550, -24.7530, -30.4890

Protanomaly

51.3630, 2.5710, -19.0690

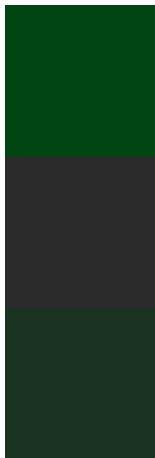
Deuteranomaly

52.2540, 4.4960, -15.4080

Tritanomaly

49.9380, -23.7930, -14.8410

Monochromacy



Original Color

42.5550, -24.7530, -30.4890

Achromatopsia

43.0000, -0.0000, -0.0000

Achromatomaly

42.4730, -9.1220, -10.8980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.5550, -24.7530, -30.4890 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(0, 69, 18)` looks like.

```
.text, #text, p{  
    color:rgb(0, 69, 18)  
}
```

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(0, 69, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 69, 18) }
```

Border

The CSS property to change the border of an element to YIQ 42.5550, -24.7530, -30.4890 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(0, 69, 18) }
```


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

```
.border{ border-color:rgb(0, 69, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 69, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 69, 18); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 69, 18); box-shadow:4px  
4px 4px 4px rgb(0, 69, 18) }
```

Background

The CSS property to change the background color of an element to YIQ 42.5550, -24.7530, -30.4890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 69, 18) }
```

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

```
.background{ background-color: rgb(0, 69,  
18) }
```

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