

Converting Colors

YIQ(113.9570, 35.9490,
-18.2510)

Have a look what the booklet for
YIQ(113.9570, 35.9490, -18.2510)
contains.

YIQ(113.9570, 35.9490, -18.2510)	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(113.9570, 35.9490,
-18.2510)**

Conversions

Conversions Part 1

Format	Color
Hex	89742B
RGB	137, 116, 43
RGB Percent	54%, 45%, 17%
CMY	0.4627, 0.5451, 0.8312
CMYK	0.00, 0.15, 0.69, 0.46
HSL	47°, 52%, 35%
HSV	47°, 69%, 54%
XYZ	16.9980, 17.9820, 4.8654
YIQ	113.9570, 35.9490, -18.2510

Conversions

Conversions Part 2

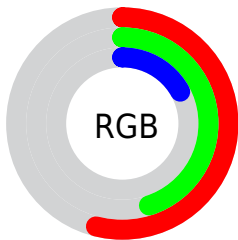
Format	Color
R_{YB}	70, 137, 43
Decimal	9008171
CIE Lab	49.47, -0.51, 41.92
CIE LCh	49, 41.919, 90.703
Yxy	17.9820, 0.4266, 0.4513
Android (android.graphics.Color)	4287198251 (0xFF89742B)
YUV	113.9570, -34.9818, 20.2087
Hunter-Lab	42.4051, -2.6575, 22.8809

Details

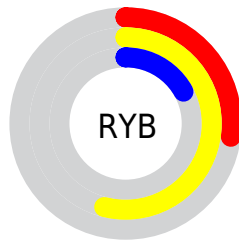
The YIQ color **113.9570, 35.9490, -18.2510** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **66.0430, -35.9490, 18.2510**, and the grayscale version is **114.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **166.8110, 39.2960, -18.3360**, and **65.0320, 31.3640, -17.7560** is the 20% darker color. If you saturate the color by 10%, you get **110.6000, 41.2680, -21.0360**, and if you desaturate by 10%, it is **117.3140, 30.6300, -15.4660**.

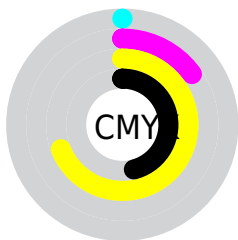
Distribution



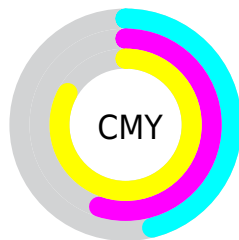
- Red (54%)
- Green (45%)
- Blue (17%)



- Red (27%)
- Yellow (54%)
- Blue (17%)



- Cyan (0%)
- Magenta (15%)
- Yellow (69%)
- Black (46%)



- Cyan (46%)
- Magenta (55%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 113.9570, 35.9490, -18.2510 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 113.9570, 35.9490, -18.2510 by changing the saturation by 10% instead.

■ 113.9570, 35.9490,
-18.2510

■ 113.9570, 35.9490,
-18.2510

■ 255.0000, -0.0000,
-0.0000

■ 88.8320, 34.8030,
-19.5090

■ 166.8110, 39.2960,
-18.3360

■ 65.0320, 31.3640,
-17.7560

■ 194.2950, 40.8090,
-18.2230

■ 44.6430, 22.5140,
-11.5500

■ 222.3660, 42.0470,
-18.6330

■ 25.4280, 13.1140,
-6.3900

■ 243.0760, 28.0640,
-24.0320

■ 0.0000, 0.0000,
0.0000

■ 248.6160, 17.9760,
-17.4160

■ 251.9220, 8.6670,

-8.3970

■ 113.9570, 35.9490,
-18.2510

■ 113.9570, 35.9490,
-18.2510

■ 110.6000, 41.2680,
-21.0360

■ 117.3140, 30.6300,
-15.4660

■ 107.3570, 46.2660,
-23.5100

■ 120.5570, 25.6320,
-12.9920

■ 104.0000, 51.5850,
-26.2950

■ 123.9140, 20.3130,
-10.2070

■ 103.1850, 52.5020,
-26.3940

■ 127.2710, 14.9940,
-7.4220

■ 130.6280, 9.6750,
-4.6370

■ 133.8710, 4.6770,
-2.1630

■ 137.2280, -0.6420,
0.6220

■ 141.1720, -6.2360,
2.8840

■ 144.4150,
-11.2340, 5.3580

Harmonies

Analogous

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



116.1800, 52.0390, -1.4730



113.9570, 35.9490, -18.2510



110.2030, 8.5330, -28.0030

Triad

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



113.9570, 35.9490, -18.2510



96.6870, -86.2380, -23.0220



121.0580, 21.5890, 32.7650

Complementary

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



113.9570, 35.9490, -18.2510



66.0430, -35.9490, 18.2510

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.



119.6820, -15.6390, 24.6250



113.9570, 35.9490, -18.2510



96.7160, -93.2090, -12.3210

Square

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



113.9570, 35.9490, -18.2510



92.5830, -74.6820, -34.2180



106.6260, -65.9320, 5.4600



118.9390, 46.6690, 29.7810

Rectangle

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



113.9570, 35.9490, -18.2510



106.2200, -16.5000, -31.3800



106.6260, -65.9320, 5.4600



121.2570, 10.7230, 31.4510

Sweetspot

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



113.9570, 35.9490, -18.2510



169.3850, 14.6730, -7.1110



73.6140, 48.9620, 26.7700



83.5570, 8.4370, -4.2270



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

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



113.9570, 35.9490, -18.2510



142.8710, 56.2620, -28.4580



118.8090, 15.2740, -34.5340



67.0280, 2.7970, -1.1310



100.2280, 50.9430, -25.6730



3.8430, 1.8800, -1.0320

Inverse Universe

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



66.0430, -35.9490, 18.2510



68.1290, -56.2620, 28.4580



61.1910, -15.2740, 34.5340



63.9720, -2.7970, 1.1310



32.7720, -50.9430, 25.6730



1.1570, -1.8800, 1.0320

Previews

White Background



This preview shows how the YIQ color 113.9570, 35.9490, -18.2510 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 × Fail

Black Background



This preview shows how the YIQ color 113.9570, 35.9490, -18.2510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

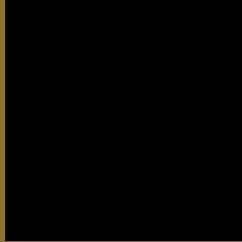
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 113.9570, 35.9490, -18.2510

Background



This preview shows how black text looks on a background with the YIQ color 113.9570, 35.9490, -18.2510.



This preview shows how white text looks on a background with the YIQ color 113.9570, 35.9490,

-18.2510.

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

113.9570, 35.9490, -18.2510

Protanopia

113.7500, 32.0980, -20.0460

Deuteranopia

114.7130, 42.6880, -13.7280



Tritanopia

120.0780, 17.6960, 9.6960

Trichromacy



Original Color

113.9570, 35.9490, -18.2510

Protanomaly

113.7610, 33.5650, -19.0990

Deuteranomaly

114.1040, 40.0290, -15.0990

Tritanomaly

118.1630, 24.3460, -0.6940

Monochromacy



Original Color

113.9570, 35.9490, -18.2510

Achromatopsia

114.0000, 0.0000, 0.0000

Achromatomaly

114.0150, 12.8390, -6.9130

CSS Examples

Text

The CSS property to change the color of the text to YIQ 113.9570, 35.9490, -18.2510 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(137, 116, 43)` looks like.

```
.text, #text, p{  
    color:rgb(137, 116, 43)  
}
```

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(137, 116, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 116, 43) }
```

Border

The CSS property to change the border of an element to YIQ 113.9570, 35.9490, -18.2510 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(137, 116, 43) }
```


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

```
.border{ border-color:rgb(137, 116, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 116, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 116, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 116, 43);  
box-shadow:4px 4px 4px 4px rgb(137, 116,  
43) }
```

Background

The CSS property to change the background color of an element to YIQ 113.9570, 35.9490, -18.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 116, 43) }
```

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

```
.background{ background-color: rgb(137,  
116, 43) }
```

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