

Converting Colors

YIQ(80.3430, 148.5880, 49.4520)

Have a look what the booklet for
YIQ(80.3430, 148.5880, 49.4520)
contains.

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Color

**YIQ(80.3430, 148.5880,
49.4520)**

Conversions

Conversions Part 1

Format	Color
Hex	FD0800
RGB	253, 8, 0
RGB Percent	99%, 3%, 0%
CMY	0.0073, 0.9688, 0.9994
CMYK	0.00, 0.97, 1.00, 0.01
HSL	2°, 100%, 50%
HSV	2°, 100%, 99%
XYZ	40.6482, 21.0821, 1.9312
YIQ	80.3430, 148.5880, 49.4520

Conversions

Conversions Part 2

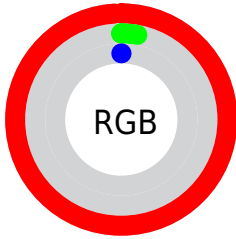
Format	Color
RYB	253, 8, 0
Decimal	16582656
CIELab	53.04, 79.12, 66.88
CIELCh	53, 103.600, 40.204
Yxy	21.0821, 0.6385, 0.3312
Android (android.graphics.Color)	4294772736 (0xFFFD0800)
YUV	80.3430, -39.6091, 151.4202
Hunter-Lab	45.9152, 77.6724, 29.6469

Details

The YIQ color **80.3430, 148.5880, 49.4520** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **172.6570, -148.5880, -49.4520**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **140.4970, 106.0910, 21.1550**, and **55.3150, 110.2600, 39.2200** is the 20% darker color. If you saturate the color by 10%, you get **80.3430, 148.5880, 49.4520**, and if you desaturate by 10%, it is **97.8680, 133.6880, 44.1520**.

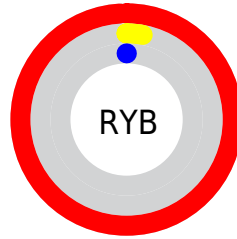
Distribution



Red (99%)

Green (3%)

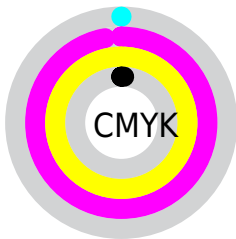
Blue (0%)



Red (99%)

Yellow (3%)

Blue (0%)

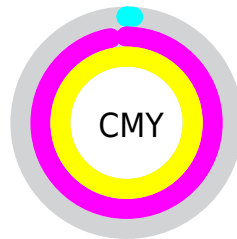


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (97%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 80.3430, 148.5880, 49.4520 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 80.3430, 148.5880, 49.4520 by changing the saturation by 10% instead.


 80.3430, 148.5880,
49.4520

 80.3430, 148.5880,
49.4520


 254.3160, 1.9260,
-1.8660


 65.4810, 130.5240,
46.4280


 140.4970,
106.0910, 21.1550


 55.3150, 110.2600,
39.2200


 161.5440, 89.5410,
12.7170


 45.4480, 90.5920,
32.2240


 182.1180, 72.9450,
5.1130

 35.6950, 70.6030,
25.5390

 202.8060, 56.0280,
-2.1800

 26.7680, 51.1640,
19.9000

 224.0810, 38.8360,
-9.9960


 17.2710, 33.3300,
12.7060

 244.7690, 21.9190,


 4.4850, 8.9400,


-17.2890


3.1800


 251.0100, 11.2350,
-10.8850


 0.0000, 0.0000,
0.0000


 80.3430, 148.5880,
49.4520

 97.8680, 133.6880,
44.1520

 114.9200,
118.7420, 39.6860

 132.4450,
103.8420, 34.3860

 149.3830, 89.2170,
29.6090

 167.0220, 73.9960,
24.6200

■ 183.9600, 59.3710,
19.8430

■ 201.4850, 44.4710,
14.5430

■ 218.5370, 29.5250,
10.0770

■ 236.0620, 14.6250,
4.7770

Harmonies

Analogous

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



87.7590, 119.5590, 85.4710



80.3430, 148.5880, 49.4520



118.2120, 92.5710, -9.1650

Triad

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



80.3430, 148.5880, 49.4520



99.5860, -62.7100, -63.9740



105.3800, -117.6050, 11.3150

Complementary

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



80.3430, 148.5880, 49.4520



172.6570, -148.5880, -49.4520

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.



118.8810, -123.9300, -0.7140



80.3430, 148.5880, 49.4520



112.2910, -94.3510, -35.6870

Square

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



80.3430, 148.5880, 49.4520



88.0500, -41.2500, -78.4500



122.0950, -121.9570, -8.9410



123.8590, -9.9620, 70.4380

Rectangle

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



80.3430, 148.5880, 49.4520



118.8340, 57.6840, -32.2040



122.0950, -121.9570, -8.9410



111.2500, -120.3550, 6.0850

Sweetspot

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



80.3430, 148.5880, 49.4520



202.8980, 44.7460, 15.0660



104.0330, 70.8590, 131.0750



96.3410, 27.1410, 9.2290



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



80.3430, 148.5880, 49.4520



80.9410, 149.7800, 49.8760



152.5440, 114.7630, -14.8770



118.8870, 7.7480, 2.7560



60.6310, 112.1860, 37.3540



20.3100, 37.5940, 12.5220

Inverse Universe

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



172.6570, -148.5880, -49.4520



174.0590, -149.7800, -49.8760



100.4560, -114.7630, 14.8770



123.5260, -7.4730, -2.2330



130.3690, -112.1860, -37.3540



43.6900, -37.5940, -12.5220

Previews

White Background



This preview shows how the YIQ color 80.3430, 148.5880, 49.4520 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 80.3430, 148.5880, 49.4520 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 80.3430, 148.5880, 49.4520

Background



This preview shows how black text looks on a background with the YIQ color 80.3430, 148.5880, 49.4520.



This preview shows how white text looks on a background with the YIQ color 80.3430, 148.5880,

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

80.3430, 148.5880, 49.4520

Protanopia

121.9540, 40.0310, -26.1530

Deuteranopia

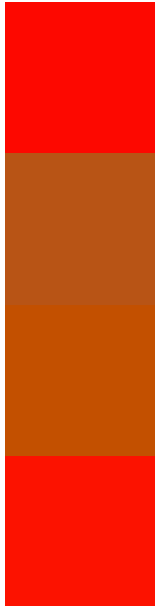
119.1660, 62.6810, -29.1510



Tritanopia

88.5500, 143.2710, 41.1830

Trichromacy



Original Color

80.3430, 148.5880, 49.4520

Protanomaly

106.7180, 79.8230, 1.6070

Deuteranomaly

105.2650, 94.2200, -0.5000

Tritanomaly

85.9140, 145.2420, 44.0100

Monochromacy



Original Color

80.3430, 148.5880, 49.4520

Achromatopsia

80.0000, 0.0000, -0.0000

Achromatomaly

80.2690, 54.0070, 17.9350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.3430, 148.5880, 49.4520 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(253, 8, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 8, 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(253, 8, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 8, 0) }
```

Border

The CSS property to change the border of an element to YIQ 80.3430, 148.5880, 49.4520 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(253, 8, 0) }
```


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

```
.border{ border-color:rgb(253, 8, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 8, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 8, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(253, 8, 0); box-shadow:4px  
4px 4px 4px rgb(253, 8, 0) }
```

Background

The CSS property to change the background color of an element to YIQ 80.3430, 148.5880, 49.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 8, 0) }
```

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

```
.background{ background-color: rgb(253, 8,  
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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