

Converting Colors

YIQ(87.4730, 142.1700, 44.6180)

Have a look what the booklet for
YIQ(87.4730, 142.1700, 44.6180)
contains.

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Color

**YIQ(87.4730, 142.1700,
44.6180)**

Conversions

Conversions Part 1

Format	Color
Hex	FB1406
RGB	251, 20, 6
RGB Percent	98%, 8%, 2%
CMY	0.0151, 0.9218, 0.9759
CMYK	0.00, 0.92, 0.98, 0.02
HSL	3°, 97%, 50%
HSV	3°, 98%, 98%
XYZ	40.1155, 21.0452, 2.1243
YIQ	87.4730, 142.1700, 44.6180

Conversions

Conversions Part 2

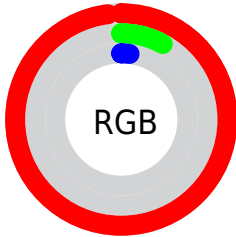
Format	Color
RYB	251, 21, 6
Decimal	16454662
CIELab	53.00, 77.65, 65.12
CIElCh	53, 101.340, 39.987
Yxy	21.0452, 0.6339, 0.3325
Android (android.graphics.Color)	4294644742 (0xFFFB1406)
YUV	87.4730, -40.1662, 143.4132
Hunter-Lab	45.8751, 75.8081, 29.3670

Details

The YIQ color **87.4730, 142.1700, 44.6180** 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 **169.5270, -142.1700, -44.6180**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.0130, 104.5780, 21.0420**, and **55.0160, 109.6640, 39.0080** is the 20% darker color. If you saturate the color by 10%, you get **83.2670, 145.7460, 45.8900**, and if you desaturate by 10%, it is **104.4110, 127.5450, 39.8410**.

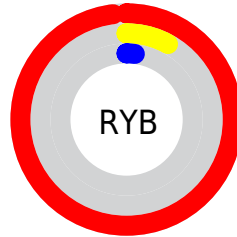
Distribution



Red (98%)

Green (8%)

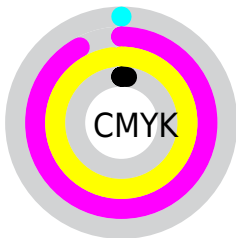
Blue (2%)



Red (98%)

Yellow (8%)

Blue (2%)

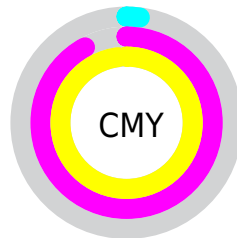


Cyan (0%)

Magenta (92%)

Yellow (98%)

Black (2%)



Cyan (2%)


Magenta (92%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 87.4730, 142.1700, 44.6180 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 87.4730, 142.1700, 44.6180 by changing the saturation by 10% instead.


 87.4730, 142.1700,
44.6180


 87.4730, 142.1700,
44.6180


254.6580, 0.9630,
-0.9330


 64.8830, 129.3320,
46.0040


 142.0130,
104.5780, 21.0420


 55.0160, 109.6640,
39.0080


 163.1740, 87.7070,
12.9150

 45.1490, 89.9960,
32.0120


 183.7480, 71.1110,
5.3110

 35.3960, 70.0070,
25.3270

 204.3220, 54.5150,
-2.2930

 26.3550, 50.8890,
19.3770

 225.5970, 37.3230,
-10.1090


 16.9720, 32.7340,
12.4940

 246.3990, 20.0850,


 3.2890, 6.5560,


-17.0910


2.3320


 251.3520, 10.2720,
-9.9520


 0.0000, 0.0000,
0.0000

 87.4730, 142.1700,
44.6180


 87.4730, 142.1700,
44.6180


 83.2670, 145.7460,
45.8900

 104.4110,
127.5450, 39.8410

 120.7620,
113.1950, 35.5870

 137.7000, 98.5700,
30.8100

 154.7520, 83.6240,
26.3440

 171.1030, 69.2740,
22.0900

■ 188.0410, 54.6490,
17.3130

■ 204.9790, 40.0240,
12.5360

■ 221.9170, 25.3990,
7.7590

■ 238.2680, 11.0490,
3.5050

Harmonies

Analogous

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



87.8730, 119.2380, 85.7820



87.4730, 142.1700, 44.6180



117.9130, 91.9750, -9.3770

Triad

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



87.4730, 142.1700, 44.6180



99.1130, -62.7560, -63.1400



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.



87.4730, 142.1700, 44.6180



169.5270, -142.1700, -44.6180

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



87.4730, 142.1700, 44.6180



111.5900, -93.7550, -35.4750

Square

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



87.4730, 142.1700, 44.6180



88.0500, -41.2500, -78.4500



121.0520, -120.3980, -9.6620



124.7340, -11.1080, 69.1800

Rectangle

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



87.4730, 142.1700, 44.6180



118.8340, 57.6840, -32.2040



121.0520, -120.3980, -9.6620



111.2500, -120.3550, 6.0850

Sweetspot

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



87.4730, 142.1700, 44.6180



205.4740, 43.0040, 13.5960



105.8170, 71.2270, 124.4030



97.6290, 26.2700, 8.4940



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.



87.4730, 142.1700, 44.6180



84.4630, 148.1300, 46.7380



158.5000, 108.8950, -18.6650



116.4740, 7.4730, 2.2330



62.9680, 109.6190, 34.3150



20.0000, 35.5310, 11.3630

Inverse Universe

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



169.5270, -142.1700, -44.6180



170.5370, -148.1300, -46.7380



98.5000, -108.8950, 18.6650



120.5260, -7.4730, -2.2330



126.0320, -109.6190, -34.3150



41.0000, -35.5310, -11.3630

Previews

White Background



This preview shows how the YIQ color 87.4730, 142.1700, 44.6180 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 87.4730, 142.1700, 44.6180 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 87.4730, 142.1700, 44.6180

Background



This preview shows how black text looks on a background with the YIQ color 87.4730, 142.1700, 44.6180.



This preview shows how white text looks on a background with the YIQ color 87.4730, 142.1700,

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

87.4730, 142.1700, 44.6180

Protanopia

121.6550, 39.4350, -26.3650

Deuteranopia

118.8670, 62.0850, -29.3630



Tritanopia

87.9630, 143.5460, 41.7060

Trichromacy



Original Color

87.4730, 142.1700, 44.6180

Protanomaly

109.2830, 76.6140, -0.8100

Deuteranomaly

107.2430, 91.2860, -2.3940

Tritanomaly

87.6040, 143.1790, 42.8510

Monochromacy



Original Color

87.4730, 142.1700, 44.6180

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.5460, 51.6690, 16.2530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.4730, 142.1700, 44.6180 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(251, 20, 6)` looks like.

```
.text, #text, p{  
    color:rgb(251, 20, 6)  
}
```

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(251, 20, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 20, 6) }
```

Border

The CSS property to change the border of an element to YIQ 87.4730, 142.1700, 44.6180 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(251, 20, 6) }
```


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

```
.border{ border-color:rgb(251, 20, 6) }
```

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

Here you see how a box with a 4 pixel rgb(251, 20, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 20, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 20, 6);  
box-shadow:4px 4px 4px 4px rgb(251, 20, 6)  
}
```

Background

The CSS property to change the background color of an element to YIQ 87.4730, 142.1700, 44.6180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 20, 6) }
```

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

```
.background{ background-color: rgb(251, 20,  
6) }
```

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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