

Converting Colors

YIQ(88.5720, 146.2050, 43.0770)

Have a look what the booklet for
YIQ(88.5720, 146.2050, 43.0770)
contains.

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Color

**YIQ(88.5720, 146.2050,
43.0770)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1500
RGB	255, 21, 0
RGB Percent	100%, 8%, 0%
CMY	0.0000, 0.9179, 0.9994
CMYK	0.00, 0.92, 1.00, 0.00
HSL	5°, 100%, 50%
HSV	5°, 100%, 100%
XYZ	41.5072, 21.7931, 2.0232
YIQ	88.5720, 146.2050, 43.0770

Conversions

Conversions Part 2

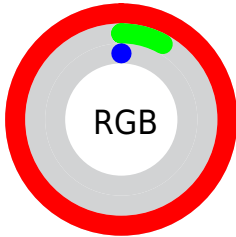
Format	Color
R_{YB}	255, 23, 0
Decimal	16717056
CIE Lab	53.81, 78.45, 67.38
CIE LCh	54, 103.417, 40.660
Yxy	21.7931, 0.6354, 0.3336
Android (android.graphics.Color)	4294907136 (0xFFFF1500)
YUV	88.5720, -43.6660, 145.9574
Hunter-Lab	46.6830, 77.0141, 30.1086

Details

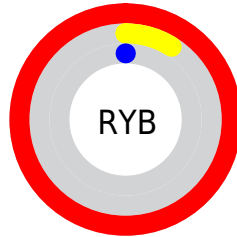
The YIQ color **88.5720, 146.2050, 43.0770** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **166.4280, -146.2050, -43.0770**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.2580, 105.2660, 19.5860**, and **55.9130, 111.4520, 39.6440** is the 20% darker color. If you saturate the color by 10%, you get **88.5720, 146.2050, 43.0770**, and if you desaturate by 10%, it is **105.0370, 131.5340, 39.1340**.

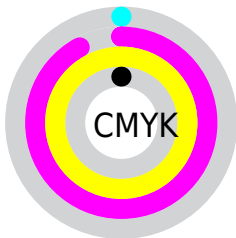
Distribution



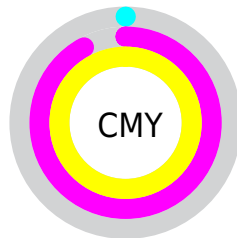
- Red (100%)
- Green (8%)
- Blue (0%)



- Red (100%)
- Yellow (9%)
- Blue (0%)



- Cyan (0%)
- Magenta (92%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (92%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 88.5720, 146.2050, 43.0770 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 88.5720, 146.2050, 43.0770 by changing the saturation by 10% instead.


 88.5720, 146.2050,
43.0770


 88.5720, 146.2050,
43.0770


 254.4300, 1.6050,
-1.5550


 66.0790, 131.7160,
46.8520


 142.2580,
105.2660, 19.5860


 55.9130, 111.4520,
39.6440


 163.4190, 88.3950,
11.4590


 46.0460, 91.7840,
32.6480


 184.5800, 71.5240,
3.3320

 36.2930, 71.7950,
25.9630

 205.2680, 54.6070,
-3.9610

 27.2520, 52.6770,
20.0130

 225.9560, 37.6900,
-11.2540


 17.8690, 34.5220,
13.1300

 246.6440, 20.7730,


 5.9800, 11.9200,


-18.5470


4.2400

 251.1240, 10.9140,
-10.5740


 0.0000, 0.0000,
0.0000

 88.5720, 146.2050,
43.0770

 105.0370,
131.5340, 39.1340

 121.9750,
116.9090, 34.3570

 138.4400,
102.2380, 30.4140

 155.3780, 87.6130,
25.6370

 171.8430, 72.9420,
21.6940

■ 188.1940, 58.5920,
17.4400

■ 205.2460, 43.6460,
12.9740

■ 221.5970, 29.2960,
8.7200

■ 238.6490, 14.3500,
4.2540

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



88.5720, 146.2050, 43.0770



119.6850, 92.6170, -9.9990

Triad

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



88.5720, 146.2050, 43.0770



101.2160, -64.5440, -63.7760



106.5540, -118.1550, 10.2690

Complementary

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



88.5720, 146.2050, 43.0770



166.4280, -146.2050, -43.0770

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.



120.0550, -124.4800, -1.7600



88.5720, 146.2050, 43.0770



113.9210, -96.1850, -35.4890

Square

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



88.5720, 146.2050, 43.0770



89.2240, -41.8000, -79.4960



123.6110, -123.4700, -9.0540



125.6420, -7.8530, 70.7630

Rectangle

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



88.5720, 146.2050, 43.0770



120.8940, 57.4550, -33.5610



123.6110, -123.4700, -9.0540



112.4240, -120.9050, 5.0390

Sweetspot

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



88.5720, 146.2050, 43.0770



205.2460, 43.6460, 12.9740



103.3770, 75.5820, 128.0780



97.5150, 26.5910, 8.1830



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.



88.5720, 146.2050, 43.0770



161.3600, 112.1050, -21.7750



119.4740, 7.4730, 2.2330



66.5010, 109.4360, 32.1240



22.0710, 36.7690, 10.9530

Inverse Universe

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



166.4280, -146.2050, -43.0770



94.2270, -112.3800, 21.2520



122.9390, -7.1980, -1.7100



125.0860, -109.7110, -32.6470



41.9290, -36.7690, -10.9530

Previews

White Background



This preview shows how the YIQ color 88.5720, 146.2050, 43.0770 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 88.5720, 146.2050, 43.0770 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 88.5720, 146.2050, 43.0770

Background



This preview shows how black text looks on a background with the YIQ color 88.5720, 146.2050, 43.0770.



This preview shows how white text looks on a background with the YIQ color 88.5720, 146.2050,

43.0770.

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

88.5720, 146.2050, 43.0770

Protanopia

123.4270, 40.0770, -26.9870

Deuteranopia

120.9380, 63.3230, -29.7730



Tritanopia

89.7460, 145.6550, 42.0310

Trichromacy



Original Color

88.5720, 146.2050, 43.0770

Protanomaly

110.5390, 78.7690, -1.3190

Deuteranomaly

109.0860, 93.1660, -3.4260

Tritanomaly

89.1590, 145.9300, 42.5540

Monochromacy



Original Color

88.5720, 146.2050, 43.0770

Achromatopsia

89.0000, -0.0000, -0.0000

Achromatomaly

88.6170, 52.9070, 15.8430

CSS Examples

Text

The CSS property to change the color of the text to YIQ 88.5720, 146.2050, 43.0770 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(255, 21, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 21, 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(255, 21, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 21, 0) }
```

Border

The CSS property to change the border of an element to YIQ 88.5720, 146.2050, 43.0770 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(255, 21, 0) }
```

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

```
.border{ border-color:rgb(255, 21, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 21, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 21, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 21, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 21, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 88.5720, 146.2050, 43.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 21, 0) }
```

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

```
.background{ background-color: rgb(255, 21,  
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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