

Converting Colors

YIQ(77.5420, 146.8900, 58.2020)

Have a look what the booklet for
YIQ(77.5420, 146.8900, 58.2020)
contains.

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Color

**YIQ(77.5420, 146.8900,
58.2020)**

Conversions

Conversions Part 1

Format	Color
Hex	FE000E
RGB	254, 0, 14
RGB Percent	100%, 0%, 5%
CMY	0.0033, 0.9997, 0.9445
CMYK	0.00, 1.00, 0.94, 0.00
HSL	357°, 100%, 50%
HSV	357°, 100%, 100%
XYZ	41.0106, 21.1324, 2.3381
YIQ	77.5420, 146.8900, 58.2020

Conversions

Conversions Part 2

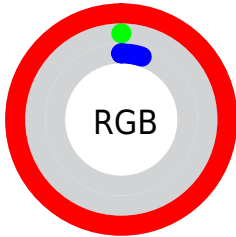
Format	Color
RYB	254, 0, 14
Decimal	16646158
CIELab	53.09, 80.00, 63.54
CIELCh	53, 102.165, 38.456
Yxy	21.1324, 0.6360, 0.3277
Android (android.graphics.Color)	4294836238 (0xFFFE000E)
YUV	77.5420, -31.3262, 154.7537
Hunter-Lab	45.9700, 78.7949, 29.1634

Details

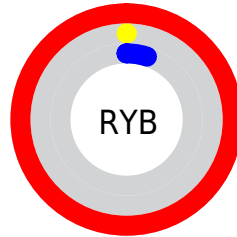
The YIQ color **77.5420, 146.8900, 58.2020** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **176.4580, -146.8900, -58.2020**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.1210, 104.3940, 24.3780**, and **55.6140, 110.8560, 39.4320** is the 20% darker color. If you saturate the color by 10%, you get **77.5420, 146.8900, 58.2020**, and if you desaturate by 10%, it is **94.9530, 132.3110, 52.5910**.

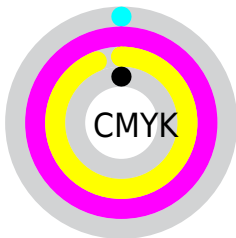
Distribution



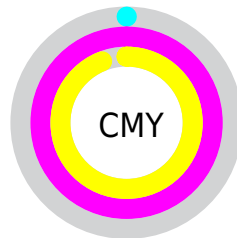
- Red (100%)
- Green (0%)
- Blue (5%)



- Red (100%)
- Yellow (0%)
- Blue (5%)



- Cyan (0%)
- Magenta (100%)
- Yellow (94%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 77.5420, 146.8900, 58.2020 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 77.5420, 146.8900, 58.2020 by changing the saturation by 10% instead.


 77.5420, 146.8900,
58.2020


 77.5420, 146.8900,
58.2020


255.0000, -0.0000,
-0.0000


 65.7800, 131.1200,
46.6400


 140.1210,
104.3940, 24.3780


 55.9130, 111.4520,
39.6440


 161.8690, 87.2480,
15.7280


 45.7470, 91.1880,
32.4360


 182.3290, 70.9730,
7.8130

 35.9940, 71.1990,
25.7510

 203.6040, 53.7810,
-0.0030

 27.0670, 51.7600,
20.1120

 224.2920, 36.8640,
-7.2960


 17.5700, 33.9260,
12.9180


 245.6810, 19.3510,


 5.0830, 10.1320,


-14.8010


3.6040


 251.8080, 8.9880,
-8.7080

 0.0000, 0.0000,
0.0000


 77.5420, 146.8900,
58.2020

 94.9530, 132.3110,
52.5910

 112.9510,
117.4570, 46.4570

 130.3620,
102.8780, 40.8460

 148.3600, 88.0240,
34.7120

 165.7710, 73.4450,
29.1010

■ 183.7690, 58.5910,
22.9670

■ 201.1800, 44.0120,
17.3560

■ 218.5910, 29.4330,
11.7450

■ 236.5890, 14.5790,
5.6110

Harmonies

Analogous

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



88.4430, 117.6330, 87.3370



77.5420, 146.8900, 58.2020



117.9350, 94.9090, -7.4830

Triad

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



77.5420, 146.8900, 58.2020



98.4290, -60.8300, -65.0060



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.



77.5420, 146.8900, 58.2020



176.4580, -146.8900, -58.2020

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.



119.4680, -124.2050, -1.2370



77.5420, 146.8900, 58.2020



111.1340, -92.4710, -36.7190

Square

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



77.5420, 146.8900, 58.2020



87.4630, -40.9750, -77.9270



121.4110, -120.0310, -10.8070



124.1030, -16.7010, 65.9150

Rectangle

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



77.5420, 146.8900, 58.2020



119.4430, 60.3430, -30.8330



121.4110, -120.0310, -10.8070



111.8370, -120.6300, 5.5620

Sweetspot

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



77.5420, 146.8900, 58.2020



202.1800, 44.0120, 17.3560



99.8190, 59.7180, 129.2380



95.9820, 26.7740, 10.3740



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.



77.5420, 146.8900, 58.2020



77.8410, 147.4860, 58.4140



140.5160, 121.1340, -3.6820



118.8870, 7.7480, 2.7560



58.3630, 110.3050, 43.9130



19.5920, 36.8600, 14.8120

Inverse Universe

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



77.5420, 146.8900, 58.2020



77.8410, 147.4860, 58.4140



113.4840, -121.1340, 3.6820



118.8870, 7.7480, 2.7560



58.3630, 110.3050, 43.9130



19.5920, 36.8600, 14.8120

Previews

White Background



This preview shows how the YIQ color 77.5420, 146.8900, 58.2020 looks on a white background.

Color Contrast Check

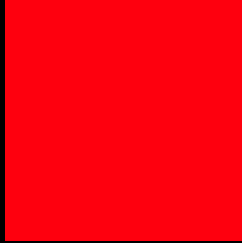
Large Text (above 18pt) WCAG AA ✓ Pass

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 77.5420, 146.8900, 58.2020 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 77.5420, 146.8900, 58.2020

Background



This preview shows how black text looks on a background with the YIQ color 77.5420, 146.8900, 58.2020.



This preview shows how white text looks on a background with the YIQ color 77.5420, 146.8900,

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

77.5420, 146.8900, 58.2020

Protanopia

123.1110, 38.1510, -25.1210

Deuteranopia

120.0520, 63.0020, -29.4620



Tritanopia

88.8490, 143.8670, 41.3950

Trichromacy



Original Color

77.5420, 146.8900, 58.2020

Protanomaly

106.4560, 77.8050, 5.1410

Deuteranomaly

104.9600, 93.7610, 2.3130

Tritanomaly

85.0220, 145.0580, 47.3460

Monochromacy



Original Color

77.5420, 146.8900, 58.2020

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

78.0780, 53.2270, 21.0590

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.5420, 146.8900, 58.2020 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(254, 0, 14)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 14)  
}
```

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(254, 0, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 14) }
```

Border

The CSS property to change the border of an element to YIQ 77.5420, 146.8900, 58.2020 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(254, 0, 14) }
```


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

```
.border{ border-color:rgb(254, 0, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 0, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 0, 14);  
box-shadow:4px 4px 4px 4px rgb(254, 0, 14)  
}
```

Background

The CSS property to change the background color of an element to YIQ 77.5420, 146.8900, 58.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 0, 14) }
```

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

```
.background{ background-color: rgb(254, 0,  
14) }
```

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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