

Converting Colors

YIQ(78.2970, 146.2020, 59.6580)

Have a look what the booklet for
YIQ(78.2970, 146.2020, 59.6580)
contains.

YIQ(78.2970, 146.2020, 59.6580)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**YIQ(78.2970, 146.2020,
59.6580)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0012
RGB	255, 0, 18
RGB Percent	100%, 0%, 7%
CMY	0.0000, 0.9997, 0.9288
CMYK	0.00, 1.00, 0.93, 0.00
HSL	356°, 100%, 50%
HSV	356°, 100%, 100%
XYZ	41.3504, 21.3041, 2.5112
YIQ	78.2970, 146.2020, 59.6580

Conversions

Conversions Part 2

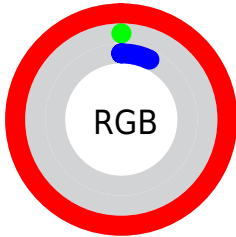
Format	Color
RYB	255, 0, 18
Decimal	16711698
CIELab	53.28, 80.24, 62.52
CIELCh	53, 101.722, 37.924
Yxy	21.3041, 0.6345, 0.3269
Android (android.graphics.Color)	4294901778 (0xFFFF0012)
YUV	78.2970, -29.7264, 154.9685
Hunter-Lab	46.1564, 79.1399, 29.0838

Details

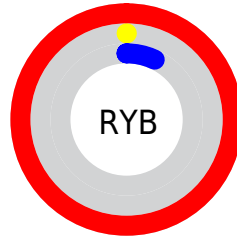
The YIQ color **78.2970, 146.2020, 59.6580** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **176.7030, -146.2020, -59.6580**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.0500, 103.1560, 24.7880**, and **55.9130, 111.4520, 39.6440** is the 20% darker color. If you saturate the color by 10%, you get **78.2970, 146.2020, 59.6580**, and if you desaturate by 10%, it is **96.2950, 131.3480, 53.5240**.

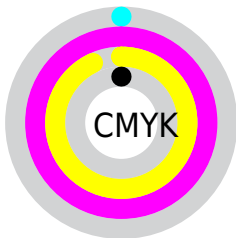
Distribution



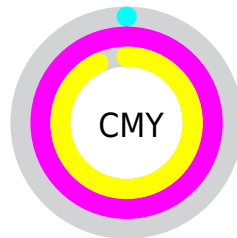
- Red (100%)
- Green (0%)
- Blue (7%)



- Red (100%)
- Yellow (0%)
- Blue (7%)



- Cyan (0%)
- Magenta (100%)
- Yellow (93%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 78.2970, 146.2020, 59.6580 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 78.2970, 146.2020, 59.6580 by changing the saturation by 10% instead.


 78.2970, 146.2020,
59.6580


 78.2970, 146.2020,
59.6580


255.0000, -0.0000,
-0.0000


 66.0790, 131.7160,
46.8520


 141.0500,
103.1560, 24.7880


 55.9130, 111.4520,
39.6440


 162.0970, 86.6060,
16.3500


 46.0460, 91.7840,
32.6480


 183.2580, 69.7350,
8.2230

 36.2930, 71.7950,
25.9630

 203.8320, 53.1390,
0.6190

 27.3660, 52.3560,
20.3240

 224.6340, 35.9010,
-6.3630


 17.5700, 33.9260,
12.9180

 245.9090, 18.7090,


 5.6810, 11.3240,


-14.1790


4.0280


 252.1500, 8.0250,
-7.7750


 0.0000, 0.0000,
0.0000


 78.2970, 146.2020,
59.6580

 96.2950, 131.3480,
53.5240

 113.7060,
116.7690, 47.9130

 131.5900,
102.2360, 41.4680

 149.0010, 87.6570,
35.8570

 166.9990, 72.8030,
29.7230

■ 184.2960, 58.5450,
23.8010

■ 202.2940, 43.6910,
17.6670

■ 219.7050, 29.1120,
12.0560

■ 237.5890, 14.5790,
5.6110

Harmonies

Analogous

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



88.6710, 116.9910, 87.9590



78.2970, 146.2020, 59.6580



117.9460, 96.3760, -6.5360

Triad

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



78.2970, 146.2020, 59.6580



98.9020, -60.7840, -65.8400



107.1410, -118.4300, 9.7460

Complementary

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



78.2970, 146.2020, 59.6580



176.7030, -146.2020, -59.6580

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



78.2970, 146.2020, 59.6580



111.4930, -92.1040, -37.8640

Square

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



78.2970, 146.2020, 59.6580



88.0500, -41.2500, -78.4500



121.2970, -119.7100, -11.1180



124.6790, -18.4430, 64.4450

Rectangle

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



78.2970, 146.2020, 59.6580



119.4540, 61.8100, -29.8860



121.2970, -119.7100, -11.1180



112.4240, -120.9050, 5.0390

Sweetspot

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



78.2970, 146.2020, 59.6580



202.2940, 43.6910, 17.6670



99.0360, 57.6090, 128.9130



96.0960, 26.4530, 10.6850



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.



78.2970, 146.2020, 59.6580



138.4670, 122.8300, -1.3780



119.0010, 7.4270, 3.0670



58.7050, 109.3420, 44.8460



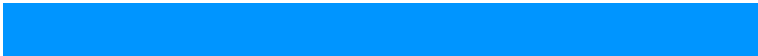
19.7060, 36.5390, 15.1230

Inverse Universe

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



78.2970, 146.2020, 59.6580



116.5330, -122.8300, 1.3780



119.0010, 7.4270, 3.0670



58.7050, 109.3420, 44.8460



19.7060, 36.5390, 15.1230

Previews

White Background



This preview shows how the YIQ color 78.2970, 146.2020, 59.6580 looks on a white background.

Color Contrast Check

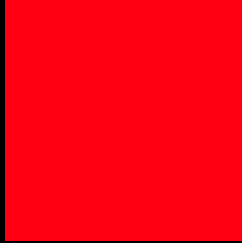
Large Text (above 18pt) WCAG AA ✓ Pass

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 78.2970, 146.2020, 59.6580 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 78.2970, 146.2020, 59.6580

Background



This preview shows how black text looks on a background with the YIQ color 78.2970, 146.2020, 59.6580.



This preview shows how white text looks on a background with the YIQ color 78.2970, 146.2020,

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

78.2970, 146.2020, 59.6580

Protanopia

123.4530, 37.1880, -24.1880

Deuteranopia

120.0520, 63.0020, -29.4620



Tritanopia

89.7350, 144.1880, 41.0840

Trichromacy



Original Color

78.2970, 146.2020, 59.6580

Protanomaly

106.9120, 76.5210, 6.3850

Deuteranomaly

105.1880, 93.1190, 2.9350

Tritanomaly

85.5490, 145.0120, 48.1800

Monochromacy



Original Color

78.2970, 146.2020, 59.6580

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

78.1920, 52.9060, 21.3700

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.2970, 146.2020, 59.6580 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, 0, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 18)  
}
```

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, 0, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 18) }
```

Border

The CSS property to change the border of an element to YIQ 78.2970, 146.2020, 59.6580 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, 0, 18) }
```

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

```
.border{ border-color:rgb(255, 0, 18) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 18)  
}
```

Background

The CSS property to change the background color of an element to YIQ 78.2970, 146.2020, 59.6580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 18) }
```

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

```
.background{ background-color: rgb(255, 0,  
18) }
```

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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