

Converting Colors

YIQ(79.7790, 142.0290, 63.7010)

Have a look what the booklet for
YIQ(79.7790, 142.0290, 63.7010)
contains.

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Color

**YIQ(79.7790, 142.0290,
63.7010)**

Conversions

Conversions Part 1

Format	Color
Hex	FF001F
RGB	255, 0, 31
RGB Percent	100%, 0%, 12%
CMY	0.0000, 0.9997, 0.8779
CMYK	0.00, 1.00, 0.88, 0.00
HSL	353°, 100%, 50%
HSV	353°, 100%, 100%
XYZ	41.4891, 21.3597, 3.2420
YIQ	79.7790, 142.0290, 63.7010

Conversions

Conversions Part 2

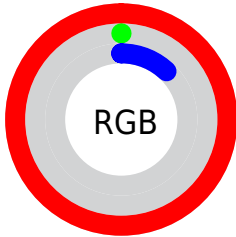
Format	Color
RYB	255, 0, 31
Decimal	16711711
CIELab	53.34, 80.40, 57.56
CIELCh	53, 98.887, 35.600
Yxy	21.3597, 0.6278, 0.3232
Android (android.graphics.Color)	4294901791 (0xFFFF001F)
YUV	79.7790, -24.0480, 153.6688
Hunter-Lab	46.2165, 79.3628, 28.1925

Details

The YIQ color **79.7790, 142.0290, 63.7010** 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 **175.2210, -142.0290, -63.7010**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **142.1900, 99.9460, 27.8980**, and **56.2120, 112.0480, 39.8560** is the 20% darker color. If you saturate the color by 10%, you get **79.7790, 142.0290, 63.7010**, and if you desaturate by 10%, it is **97.6630, 127.4960, 57.2560**.

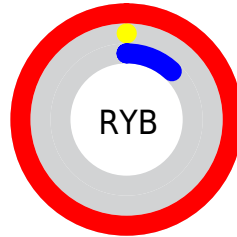
Distribution



Red (100%)

Green (0%)

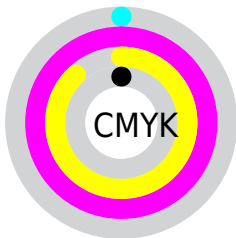
Blue (12%)



Red (100%)

Yellow (0%)

Blue (12%)

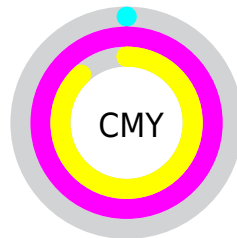


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 79.7790, 142.0290, 63.7010 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 79.7790, 142.0290, 63.7010 by changing the saturation by 10% instead.


 79.7790, 142.0290,
63.7010


 79.7790, 142.0290,
63.7010


255.0000, -0.0000,
-0.0000


 66.7630, 129.7900,
48.7180


 142.1900, 99.9460,
27.8980


 56.2120, 112.0480,
39.8560


 163.2370, 83.3960,
19.4600


 46.0460, 91.7840,
32.6480


 184.3980, 66.5250,
11.3330

 36.5920, 72.3910,
26.1750

 205.0860, 49.6080,
4.0400

 27.3660, 52.3560,
20.3240

 226.3610, 32.4160,
-3.7760


 17.8690, 34.5220,
13.1300


 247.1630, 15.1780,


 5.9800, 11.9200,


-10.7580


4.2400


 253.2900, 4.8150,
-4.6650


 0.0000, 0.0000,
0.0000


 79.7790, 142.0290,
63.7010

 97.6630, 127.4960,
57.2560

 114.8460,
113.5590, 51.0230

 132.6160, 99.3470,
44.2670

 149.9130, 85.0890,
38.3450

 167.6830, 70.8770,
31.5890

■ 184.8660, 56.9400,
25.3560

■ 202.7500, 42.4070,
18.9110

■ 219.9330, 28.4700,
12.6780

■ 237.8170, 13.9370,
6.2330

Harmonies

Analogous

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



89.4690, 114.7440, 90.1360



79.7790, 142.0290, 63.7010



117.6690, 98.7140, -4.8540

Triad

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



79.7790, 142.0290, 63.7010



97.7450, -58.9040, -66.8720



108.3150, -118.9800, 8.7000

Complementary

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



79.7790, 142.0290, 63.7010



175.2210, -142.0290, -63.7010

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



79.7790, 142.0290, 63.7010



110.1080, -89.5820, -39.5180

Square

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



79.7790, 142.0290, 63.7010



96.1450, -22.2240, -70.8320



120.2710, -116.8210, -13.9170



124.9120, -26.6490, 58.9750

Rectangle

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



79.7790, 142.0290, 63.7010



120.0740, 65.9360, -27.5680



120.2710, -116.8210, -13.9170



113.5980, -121.4550, 3.9930

Sweetspot

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



79.7790, 142.0290, 63.7010



202.7500, 42.4070, 18.9110



95.1490, 49.8610, 126.1570



96.3240, 25.8110, 11.3070



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.



79.7790, 142.0290, 63.7010



131.4230, 126.1300, 4.8980



119.0010, 7.4270, 3.0670



59.7310, 106.4530, 47.6450



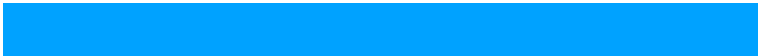
20.0480, 35.5760, 16.0560

Inverse Universe

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



79.7790, 142.0290, 63.7010



124.1640, -126.4050, -5.4210



119.0010, 7.4270, 3.0670



59.7310, 106.4530, 47.6450



20.0480, 35.5760, 16.0560

Previews

White Background



This preview shows how the YIQ color 79.7790, 142.0290, 63.7010 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 79.7790, 142.0290, 63.7010 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 79.7790, 142.0290, 63.7010

Background



This preview shows how black text looks on a background with the YIQ color 79.7790, 142.0290, 63.7010.



This preview shows how white text looks on a background with the YIQ color 79.7790, 142.0290,

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

79.7790, 142.0290, 63.7010

Protanopia

124.6360, 32.4190, -20.3570

Deuteranopia

120.3510, 63.5980, -29.2500



Tritanopia

89.1480, 144.4630, 41.6070

Trichromacy



Original Color

79.7790, 142.0290, 63.7010

Protanomaly

108.3940, 72.3480, 10.4280

Deuteranomaly

105.6440, 91.8350, 4.1790

Tritanomaly

86.0050, 143.7280, 49.4240

Monochromacy



Original Color

79.7790, 142.0290, 63.7010

Achromatopsia

80.0000, 0.0000, -0.0000

Achromatomaly

80.0610, 51.8970, 23.1370

CSS Examples

Text

The CSS property to change the color of the text to YIQ 79.7790, 142.0290, 63.7010 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, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 31)  
}
```

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, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 31) }
```

Border

The CSS property to change the border of an element to YIQ 79.7790, 142.0290, 63.7010 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, 31) }
```

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

```
.border{ border-color:rgb(255, 0, 31) }
```

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, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 31)  
}
```

Background

The CSS property to change the background color of an element to YIQ 79.7790, 142.0290, 63.7010 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, 31) }
```

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

```
.background{ background-color: rgb(255, 0,  
31) }
```

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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