

Converting Colors

YIQ(231.7440, 65.4840,
-63.4440)

Have a look what the booklet for
YIQ(231.7440, 65.4840, -63.4440)
contains.

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Color

**YIQ(231.7440, 65.4840,
-63.4440)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF33
RGB	255, 255, 51
RGB Percent	100%, 100%, 20%
CMY	0.0001, 0.0000, 0.7995
CMYK	0.00, 0.00, 0.80, 0.00
HSL	60°, 100%, 60%
HSV	60°, 80%, 100%
XYZ	77.5878, 93.0135, 17.0084
YIQ	231.7440, 65.4840, -63.4440

Conversions

Conversions Part 2

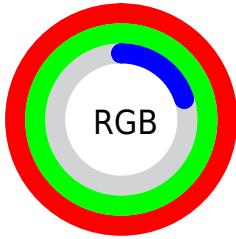
Format	Color
R _Y B	51, 255, 51
Decimal	16777011
CIE Lab	97.23, -20.78, 87.52
CIE LCh	97, 89.951, 103.358
Yxy	93.0135, 0.4136, 0.4958
Android (android.graphics.Color)	4294967091 (0xFFFFFFFF33)
YUV	231.7440, -89.1068, 20.3955
Hunter-Lab	96.4435, -25.1747, 57.0543

Details

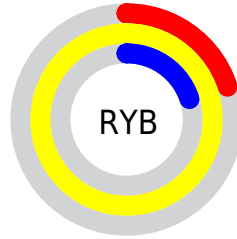
The YIQ color **231.7440, 65.4840, -63.4440** is a light color, and the websafe version is hex **FFFF33**, and the color name is **electric yellow**. The color can be described as light washed yellow. A complement of this color would be **74.2560, -65.4840, 63.4440**, and the grayscale version is **233.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **239.1540, 44.6190, -43.2290**, and **174.8190, 60.8990, -62.9490** is the 20% darker color. If you saturate the color by 10%, you get **228.8940, 73.5090, -71.2190**, and if you desaturate by 10%, it is **234.7080, 57.1380, -55.3580**.

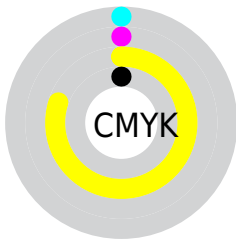
Distribution



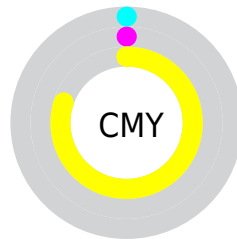
- Red (100%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 231.7440, 65.4840, -63.4440 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 231.7440, 65.4840, -63.4440 by changing the saturation by 10% instead.


 231.7440, 65.4840,
-63.4440

 231.7440, 65.4840,
-63.4440


255.0000, -0.0000,
-0.0000


 199.6380, 71.3540,
-70.7100


 239.2680, 44.2980,
-42.9180


 174.8190, 60.8990,
-62.9490


 242.5740, 34.9890,
-33.8990

 149.4130, 50.7190,
-54.6650


 245.9940, 25.3590,
-24.5690

 125.4800, 40.5850,
-47.2150

 249.4140, 15.7290,
-15.2390

 102.1340, 30.1760,
-40.2880

 252.8340, 6.0990,
-5.9090

 79.0870, 20.3630,
-33.1490

 56.6270, 10.2750,

-26.5330

■ 35.9390, 0.8290,
-20.5390

■ 17.0230, -7.9750,
-15.1670

■ 231.7440, 65.4840,
-63.4440

■ 231.7440, 65.4840,
-63.4440

■ 228.8940, 73.5090,
-71.2190

■ 234.7080, 57.1380,
-55.3580

■ 225.9300, 81.8550,
-79.3050

■ 237.5580, 49.1130,
-47.5830

■ 240.5220, 40.7670,
-39.4970

■ 243.3720, 32.7420,
-31.7220

■ 246.3360, 24.3960,
-23.6360

■ 249.1860, 16.3710,
-15.8610

■ 252.1500, 8.0250,
-7.7750

255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



215.8440, 68.9190, -43.0890



231.7440, 65.4840, -63.4440



208.9830, -12.7800, -65.7720

Triad

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



231.7440, 65.4840, -63.4440



178.7550, -151.9800, -54.0600



206.2790, 22.8250, 43.4090

Complementary

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



231.7440, 65.4840, -63.4440



74.2560, -65.4840, 63.4440

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.



226.2370, 13.4750, 25.6270



231.7440, 65.4840, -63.4440



178.7550, -151.9800, -54.0600

Square

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



231.7440, 65.4840, -63.4440



178.7550, -151.9800, -54.0600



215.6530, -62.5350, -17.5670



196.5670, 39.1490, 33.9090

Rectangle

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



231.7440, 65.4840, -63.4440



168.3810, -122.7690, -82.3610



215.6530, -62.5350, -17.5670



212.1490, 20.0750, 38.1790

Sweetspot

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



231.7440, 65.4840, -63.4440



248.0460, 19.5810, -18.9710



111.9960, 121.5840, 43.2480



123.4830, 11.2810, -11.7190



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.



231.7440, 65.4840, -63.4440



227.0700, 78.6450, -76.1950



201.2460, 4.6920, -85.0680



126.2190, 3.5770, -4.2550



169.2260, 61.3110, -59.4010



56.7040, 20.5440, -19.9040

Inverse Universe

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



74.2560, -65.4840, 63.4440



37.9300, -78.6450, 76.1950



104.7540, -4.6920, 85.0680



116.4820, -4.1730, 4.0430



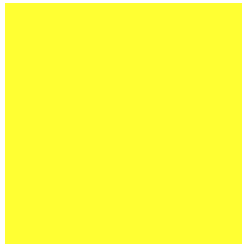
21.7740, -61.3110, 59.4010



7.2960, -20.5440, 19.9040

Previews

White Background



This preview shows how the YIQ color 231.7440, 65.4840, -63.4440 looks on a white background.

Color Contrast Check

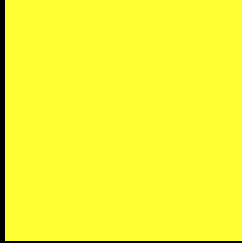
Large Text (above 18pt) WCAG AA × Fail

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 231.7440, 65.4840, -63.4440 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 231.7440, 65.4840, -63.4440

Background



This preview shows how black text looks on a background with the YIQ color 231.7440, 65.4840, -63.4440.



This preview shows how white text looks on a background with the YIQ color 231.7440, 65.4840, -63.4440.

-63.4440.

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



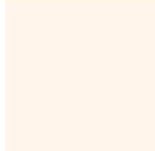
Original Color

231.7440, 65.4840, -63.4440



Protanopia

245.9720, 14.3980, -7.6340



Deuteranopia

246.7360, 9.4910, -1.3010



Tritanopia

247.9730, 4.6300, 4.1980

Trichromacy



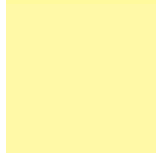
Original Color

231.7440, 65.4840, -63.4440



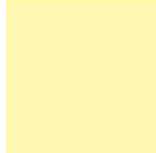
Protanomaly

240.8930, 32.8330, -27.8630



Deuteranomaly

241.4460, 29.8980, -24.2300



Tritanomaly

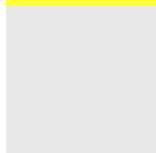
242.1130, 26.6420, -20.2860

Monochromacy



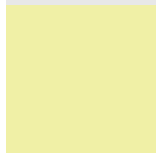
Original Color

231.7440, 65.4840, -63.4440



Achromatopsia

232.0000, -0.0000, 0.0000



Achromatomaly

231.5640, 23.7540, -23.0140

CSS Examples

Text

The CSS property to change the color of the text to YIQ 231.7440, 65.4840, -63.4440 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, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 51)  
}
```

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, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 51) }
```

Border

The CSS property to change the border of an element to YIQ 231.7440, 65.4840, -63.4440 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, 255, 51) }
```


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

```
.border{ border-color:rgb(255, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
51) }
```

Background

The CSS property to change the background color of an element to YIQ 231.7440, 65.4840, -63.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 51) }
```

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

```
.background{ background-color: rgb(255,  
255, 51) }
```

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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