

# Converting Colors

YIQ(240.5070, 27.9280,  
-32.5840)

Have a look what the booklet for  
YIQ(240.5070, 27.9280, -32.5840)  
contains.

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# Color

**YIQ(240.5070, 27.9280,  
-32.5840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FE9A
RGB	247, 254, 154
RGB Percent	97%, 100%, 60%
CMY	0.0315, 0.0039, 0.3959
CMYK	0.03, 0.00, 0.39, 0.00
HSL	64°, 98%, 80%
HSV	64°, 39%, 100%
XYZ	79.6301, 92.9905, 44.3448
YIQ	240.5070, 27.9280, -32.5840

# Conversions

## Conversions Part 2

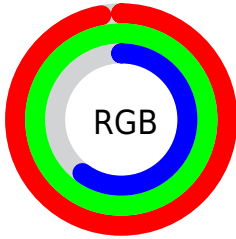
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 254, 161
Decimal	16252570
CIELab	97.22, -16.68, 46.96
CIELCh	97, 49.838, 109.550
Yxy	92.9905, 0.3670, 0.4286
Android (android.graphics.Color)	4294442650 (0xFFFF7FE9A)
YUV	240.5070, -42.6480, 5.6944
Hunter-Lab	96.4316, -21.3558, 40.2371

# Details

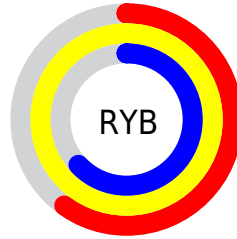
The YIQ color **240.5070, 27.9280, -32.5840** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **167.4930, -27.9280, 32.5840**, and the grayscale version is **241.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **249.8700, 14.4450, -13.9950**, and **183.6640, 26.0480, -31.5520** is the 20% darker color. If you saturate the color by 10%, you get **237.0590, 34.7610, -40.7830**, and if you desaturate by 10%, it is **243.9550, 21.0950, -24.3850**.

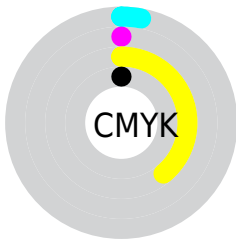
# Distribution



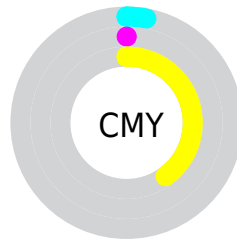
- Red (97%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (63%)



- Cyan (3%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)



- Cyan (3%)
- Magenta (0%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 240.5070, 27.9280, -32.5840 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 240.5070, 27.9280, -32.5840 by changing the saturation by 10% instead.





 240.5070, 27.9280,  
-32.5840

 240.5070, 27.9280,  
-32.5840


255.0000, -0.0000,  
-0.0000


 211.7350, 27.2860,  
-31.9620


 249.8700, 14.4450,  
-13.9950


 183.6640, 26.0480,  
-31.5520

 253.0620, 5.4570,  
-5.2870

 156.4790, 25.1310,  
-31.4530

 130.2940, 24.2140,  
-31.3540

 103.8810, 23.9390,  
-31.8770

 79.3970, 22.4260,  
-31.9900

 58.1330, 14.7220,

-24.5260

■ 37.4450, 5.2760,  
-18.5320

■ 16.4360, -7.7000,  
-14.6440

■ 240.5070, 27.9280,  
-32.5840

■ 240.5070, 27.9280,  
-32.5840

■ 237.0590, 34.7610,  
-40.7830

■ 243.9550, 21.0950,  
-24.3850

■ 233.4970, 41.9150,  
-49.2930

■ 247.5170, 13.9410,  
-15.8750

■ 230.3480, 49.3440,  
-57.2800

■ 250.6660, 6.5120,  
-7.8880

■ 226.7860, 56.4980,  
-65.7900

254.1140, -0.3210,  
0.3110

■ 223.3380, 63.3310, 254.4130, 0.2750,  
-73.9890 0.5230

■ 219.8900, 70.1640,  
-82.1880

■ 219.6620, 70.8060,  
-82.8100

# Harmonies

## Analogous

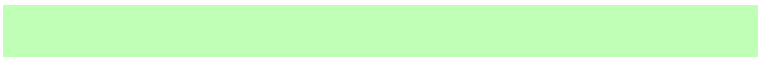
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



233.2790, 37.7380, -23.1420



240.5070, 27.9280, -32.5840



227.8410, -14.1150, -36.0590

# Triad

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



240.5070, 27.9280, -32.5840



196.0970, -117.4120, -41.7640



229.1720, 12.1000, 23.0120

# Complementary

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



240.5070, 27.9280, -32.5840



167.4930, -27.9280, 32.5840

# 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.



236.2160, 8.8000, 16.7360



240.5070, 27.9280, -32.5840



222.7080, -64.3680, -22.8960

# Square

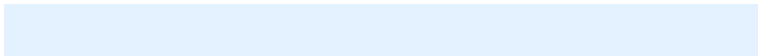
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



240.5070, 27.9280, -32.5840



195.4990, -118.6040, -42.1880



238.7090, -12.2420, 1.5980



224.8400, 24.2980, 11.1940

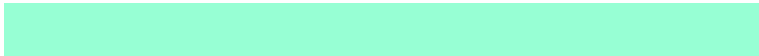


# Rectangle

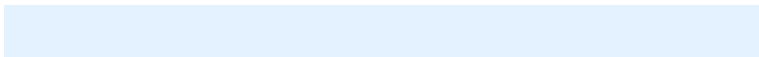
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



240.5070, 27.9280, -32.5840



219.0020, -48.1810, -35.4210



238.7090, -12.2420, 1.5980



230.9330, 11.2750, 21.4430

# Sweetspot

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



240.5070, 27.9280, -32.5840



250.8680, 8.7590, -10.0650



188.0090, 57.6750, 17.5390



125.3500, 4.5860, -6.0220



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

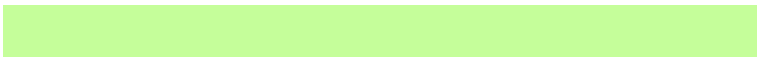
The Same Dimension uses a secret algorithm to generate beautiful new colors.



240.5070, 27.9280, -32.5840



238.9280, 33.7520, -39.0160



225.5570, -1.8720, -43.1840



126.2190, 3.5770, -4.2550



165.3390, 53.5630, -62.1570



55.2090, 17.5640, -20.9640



# Inverse Universe

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



167.4930, -27.9280, 32.5840



151.3710, -33.1560, 39.2280



182.4430, 1.8720, 43.1840



116.7810, -3.5770, 4.2550



25.6610, -53.5630, 62.1570

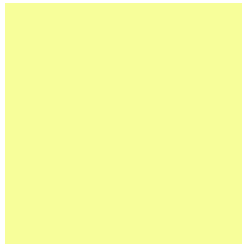


8.4920, -18.1600, 20.7520



# Previews

## White Background



This preview shows how the YIQ color 240.5070, 27.9280, -32.5840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

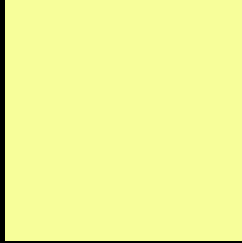
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 240.5070, 27.9280, -32.5840 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

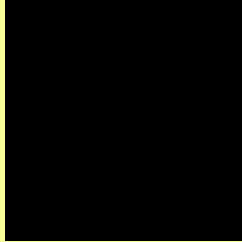
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

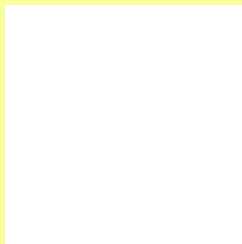
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 240.5070, 27.9280, -32.5840

## Background



This preview shows how black text looks on a background with the YIQ color 240.5070, 27.9280, -32.5840.



This preview shows how white text looks on a background with the YIQ color 240.5070, 27.9280,

-32.5840.

# Color Blindness Simulation

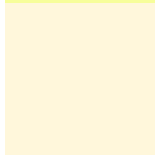
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



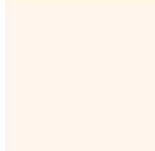
### Original Color

240.5070, 27.9280, -32.5840



### Protanopia

246.2000, 13.7560, -7.0120



### Deuteranopia

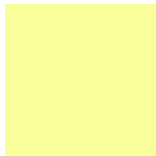
246.9640, 8.8490, -0.6790



## Tritanopia

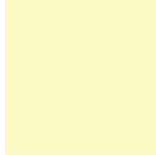
248.5430, 3.0250, 5.7530

# Trichromacy



## Original Color

240.5070, 27.9280, -32.5840



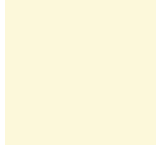
## Protanomaly

244.3280, 18.8470, -16.6810



## Deuteranomaly

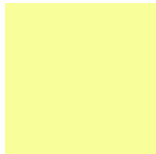
244.4080, 15.8660, -12.2140



## Tritanomaly

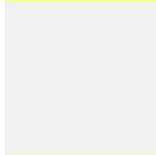
245.7760, 12.0140, -8.4820

# Monochromacy



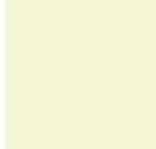
## Original Color

240.5070, 27.9280, -32.5840



## Achromatopsia

241.0000, -0.0000, -0.0000



## Achromatomaly

240.8850, 10.0890, -12.1430

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 240.5070, 27.9280, -32.5840 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(247, 254, 154)` looks like.

```
.text, #text, p{  
    color:rgb(247, 254, 154)  
}
```

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(247, 254, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 254, 154) }
```

## Border

The CSS property to change the border of an element to YIQ 240.5070, 27.9280, -32.5840 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(247, 254, 154) }
```



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

```
.border{ border-color:rgb(247, 254, 154) }
```

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

Here you see how a box with a 4 pixel rgb(247, 254, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 254, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 254, 154);  
box-shadow:4px 4px 4px 4px rgb(247, 254,  
154) }
```

# Background

The CSS property to change the background color of an element to YIQ 240.5070, 27.9280, -32.5840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 254, 154) }
```

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

```
.background{ background-color: rgb(247,  
254, 154) }
```

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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