

# Converting Colors

YIQ(240.6140, 29.4850,  
-22.2510)

Have a look what the booklet for  
YIQ(240.6140, 29.4850, -22.2510)  
contains.

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# Color

**YIQ(240.6140, 29.4850,  
-22.2510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7AA
RGB	255, 247, 170
RGB Percent	100%, 97%, 67%
CMY	0.0000, 0.0314, 0.3331
CMYK	0.00, 0.03, 0.33, 0.00
HSL	54°, 100%, 83%
HSV	54°, 33%, 100%
XYZ	81.7569, 90.6819, 51.2469
YIQ	240.6140, 29.4850, -22.2510

# Conversions

## Conversions Part 2

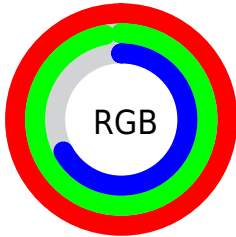
Format	Color
<a href="#">RYB</a>	<a href="#">179, 255, 170</a>
Decimal	<a href="#">16775082</a>
CIELab	<a href="#">96.28, -8.44, 38.01</a>
CIELCh	<a href="#">96, 38.939, 102.525</a>
Yxy	<a href="#">90.6819, 0.3655, 0.4054</a>
Android (android.graphics.Color)	<a href="#">4294965162 (0xFFFFF7AA)</a>
YUV	<a href="#">240.6140, -34.8127, 12.6165</a>
Hunter-Lab	<a href="#">95.2271, -13.3967, 34.7518</a>

# Details

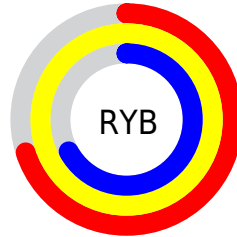
The YIQ color **240.6140, 29.4850, -22.2510** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **184.3860, -29.4850, 22.2510**, and the grayscale version is **241.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **251.6940, 9.3090, -9.0190**, and **184.3580, 27.3300, -21.7420** is the 20% darker color. If you saturate the color by 10%, you get **236.5900, 38.0600, -28.9800**, and if you desaturate by 10%, it is **244.7520, 20.5890, -15.2110**.

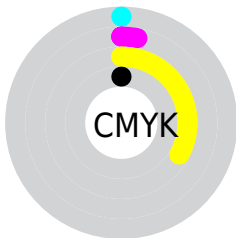
# Distribution



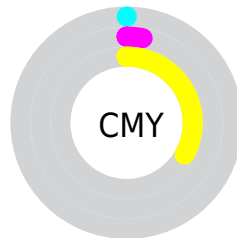
- Red (100%)
- Green (97%)
- Blue (67%)



- Red (70%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (3%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 240.6140, 29.4850, -22.2510 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 240.6140, 29.4850, -22.2510 by changing the saturation by 10% instead.





 240.6140, 29.4850,  
-22.2510


 240.6140, 29.4850,  
-22.2510


255.0000, -0.0000,  
-0.0000


 212.4290, 28.5680,  
-22.1520


 251.6940, 9.3090,  
-9.0190

 184.3580, 27.3300,  
-21.7420

 157.2870, 26.0920,  
-21.3320

 131.1020, 25.1750,  
-21.2330

 105.0310, 23.9370,  
-20.8230

 80.6180, 23.6620,  
-21.3460

 57.5900, 20.8650,

-20.2150

■ 37.5000, 12.6110,  
-13.7970

■ 17.3880, 1.4230,  
-9.2730

■ 240.6140, 29.4850,  
-22.2510

■ 240.6140, 29.4850,  
-22.2510

■ 236.5900, 38.0600,  
-28.9800

■ 244.7520, 20.5890,  
-15.2110

■ 231.8650, 47.2310,  
-35.4970

■ 249.3630, 11.7390,  
-9.0050

■ 227.8410, 55.8060,  
-42.2260

■ 253.5010, 2.8430,  
-1.9650

■ 223.1160, 64.9770,  
-48.7430

■ 255.0000, -0.0000,  
-0.0000

■ 219.0920, 73.5520,  
-55.4720

■ 214.9540, 82.4480,  
-62.5120

■ 211.8420, 88.4550,  
-66.7530

# Harmonies

## Analogous

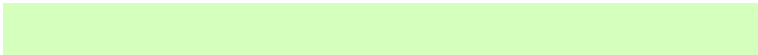
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



233.3250, 32.0970, -14.5190



240.6140, 29.4850, -22.2510



234.8040, -3.5250, -29.7410

# Triad

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



240.6140, 29.4850, -22.2510



216.4290, -76.8840, -27.3480



233.8680, 9.9000, 18.8280

# Complementary

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



240.6140, 29.4850, -22.2510



184.3860, -29.4850, 22.2510

# 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.



239.7380, 7.1500, 13.5980



240.6140, 29.4850, -22.2510



226.9050, -54.5570, -18.9810

# Square

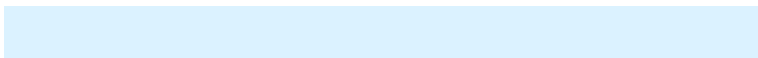
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



240.6140, 29.4850, -22.2510



218.2230, -73.3080, -26.0760



236.6050, -17.8810, -0.8330



229.2570, 18.7500, 12.6220

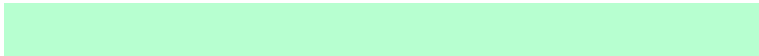


# Rectangle

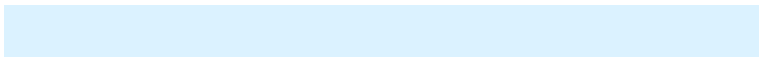
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



240.6140, 29.4850, -22.2510



228.1140, -27.8250, -29.8810



236.6050, -17.8810, -0.8330



235.6290, 9.0750, 17.2590

# Sweetspot

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



240.6140, 29.4850, -22.2510



250.9760, 8.5750, -6.7290



196.4410, 47.7710, 20.8190



125.0020, 5.6860, -3.9300



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

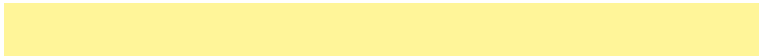


# Same Dimension

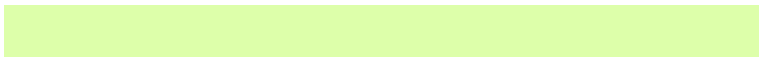
The Same Dimension uses a secret algorithm to generate beautiful new colors.



240.6140, 29.4850, -22.2510



237.5020, 35.4920, -26.4920



235.1440, 7.0210, -33.6430



125.3440, 4.7230, -2.9970



158.6600, 66.2610, -49.9870



53.1820, 22.1940, -16.7660



# Inverse Universe

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



184.3860, -29.4850, 22.2510



170.4980, -35.4920, 26.4920



189.8560, -7.0210, 33.6430



117.0690, -4.4480, 3.5200



32.3400, -66.2610, 49.9870

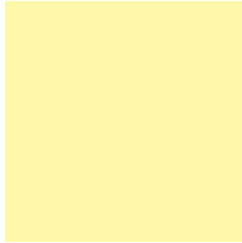


10.8180, -22.1940, 16.7660



# Previews

## White Background



This preview shows how the YIQ color 240.6140, 29.4850, -22.2510 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 240.6140, 29.4850, -22.2510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

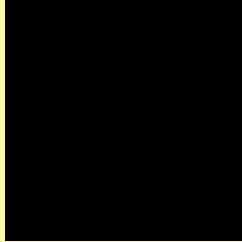
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 240.6140, 29.4850, -22.2510

## Background



This preview shows how black text looks on a background with the YIQ color 240.6140, 29.4850, -22.2510.



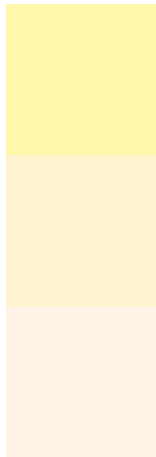
This preview shows how white text looks on a background with the YIQ color 240.6140, 29.4850,

-22.2510.

# 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

240.6140, 29.4850, -22.2510

### Protanopia

243.1850, 18.1120, -8.8640

### Deuteranopia

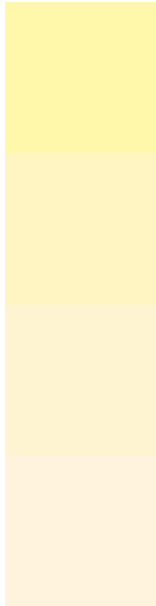
244.6330, 11.2790, -0.6650



## Tritanopia

245.6250, 5.7300, 6.2900

# Trichromacy



## Original Color

240.6140, 29.4850, -22.2510

## Protanomaly

242.1760, 22.3310, -13.7410

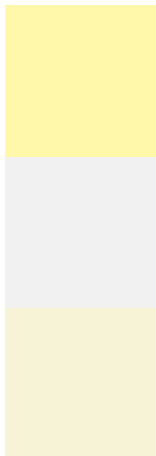
## Deuteranomaly

243.2990, 17.7910, -8.5530

## Tritanomaly

244.0800, 14.2140, -4.2980

# Monochromacy



## Original Color

240.6140, 29.4850, -22.2510

## Achromatopsia

241.0000, -0.0000, -0.0000

## Achromatomaly

240.7050, 10.7760, -8.0720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 240.6140, 29.4850, -22.2510 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, 247, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 170)  
}
```

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, 247, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 170) }
```

## Border

The CSS property to change the border of an element to YIQ 240.6140, 29.4850, -22.2510 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, 247, 170) }
```



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

```
.border{ border-color:rgb(255, 247, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
170) }
```

# Background

The CSS property to change the background color of an element to YIQ 240.6140, 29.4850, -22.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 170) }
```

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

```
.background{ background-color: rgb(255,  
247, 170) }
```

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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