

# Converting Colors

YIQ(227.6710, 42.5060,  
-21.4460)

Have a look what the booklet for  
YIQ(227.6710, 42.5060, -21.4460)  
contains.

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# Color

**YIQ(227.6710, 42.5060,  
-21.4460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE690
RGB	255, 230, 144
RGB Percent	100%, 90%, 56%
CMY	0.0000, 0.0981, 0.4350
CMYK	0.00, 0.10, 0.44, 0.00
HSL	46°, 100%, 78%
HSV	46°, 44%, 100%
XYZ	74.5725, 79.8631, 37.8943
YIQ	227.6710, 42.5060, -21.4460

# Conversions

## Conversions Part 2

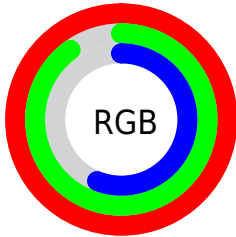
Format	Color
R <sub>Y</sub> B	176, 255, 144
Decimal	16770704
CIE Lab	91.62, -2.74, 44.88
CIE LCh	92, 44.960, 93.488
Yxy	79.8631, 0.3877, 0.4152
Android (android.graphics.Color)	4294960784 (0xFFFFE690)
YUV	227.6710, -41.2498, 23.9675
Hunter-Lab	89.3662, -7.4397, 37.4153

# Details

The YIQ color  $227.6710, 42.5060, -21.4460$  is a light color, and the websafe version is hex  $FFFF99$ . A complement of this color would be  $171.3290, -42.5060, 21.4460$ , and the grayscale version is  $228.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $248.6160, 17.9760, -17.4160$ , and  $171.8170, 39.1590, -21.3610$  is the 20% darker color. If you saturate the color by 10%, you get  $221.2990, 52.1810, -26.0830$ , and if you desaturate by 10%, it is  $234.1570, 32.5100, -16.4980$ .

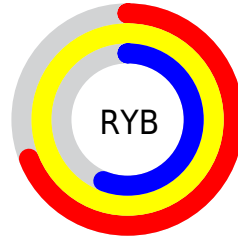
# Distribution



Red (100%)

Green (90%)

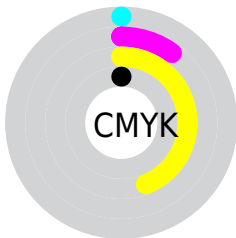
Blue (56%)



Red (69%)

Yellow (100%)

Blue (56%)

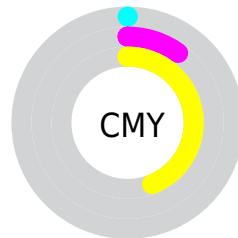


Cyan (0%)

Magenta (10%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 227.6710, 42.5060, -21.4460 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 227.6710, 42.5060, -21.4460 by changing the saturation by 10% instead.



227.6710, 42.5060,  
-21.4460

227.6710, 42.5060,  
-21.4460

255.0000, -0.0000,  
-0.0000

199.3010, 40.6720,  
-21.2480

248.6160, 17.9760,  
-17.4160

171.8170, 39.1590,  
-21.3610

251.8080, 8.9880,  
-8.7080

144.7460, 37.9210,  
-20.9510

118.8490, 36.1330,  
-21.5870

92.9090, 35.9040,  
-22.9440

69.4510, 31.5020,  
-20.2580

48.7630, 22.0560,

-14.2640

■ 28.9610, 12.9310,  
-8.5810

■ 5.2940, -1.0080,  
-3.7600

■ 227.6710, 42.5060,  
-21.4460

■ 227.6710, 42.5060,  
-21.4460

■ 221.2990, 52.1810,  
-26.0830

■ 234.1570, 32.5100,  
-16.4980

■ 215.4000, 61.9020,  
-31.5540

■ 239.9420, 23.1100,  
-11.3380

■ 209.0280, 71.5770,  
-36.1910

■ 246.4280, 13.1140,  
-6.3900

■ 202.5420, 81.5730,  
-41.1390

■ 252.8000, 3.4390,  
-1.7530

■ 196.1700, 91.2480, 255.0000, -0.0000,  
-45.7760 -0.0000

■ 192.4710, 97.5300,  
-49.4940

# Harmonies

## Analogous

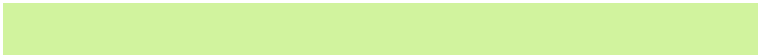
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



220.1200, 43.1000, -10.1800



227.6710, 42.5060, -21.4460



223.1440, 7.0210, -33.6430

# Triad

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



227.6710, 42.5060, -21.4460



196.7170, -113.2860, -39.4460



225.0630, 14.0250, 26.6730

# Complementary

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



227.6710, 42.5060, -21.4460



171.3290, -42.5060, 21.4460

# 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.



229.6930, 3.0230, 16.8070



227.6710, 42.5060, -21.4460



205.1660, -86.3290, -26.8810

# Square

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



227.6710, 42.5060, -21.4460



206.3860, -84.4930, -38.1330



219.0630, -39.8420, -4.8180



218.3490, 24.6630, 21.1030

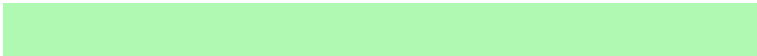


# Rectangle

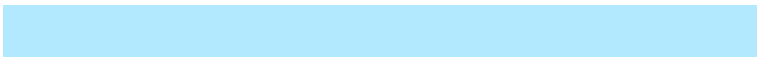
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



227.6710, 42.5060, -21.4460



218.7800, -21.3130, -37.7690



219.0630, -39.8420, -4.8180



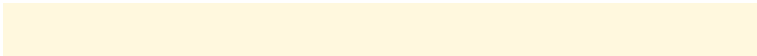
227.4110, 12.9250, 24.5810

# Sweetspot

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



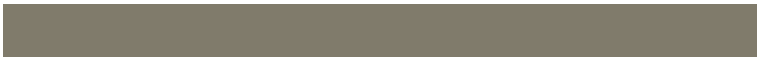
227.6710, 42.5060, -21.4460



247.1290, 12.5180, -6.6020



180.1530, 57.8100, 31.6180



122.6710, 8.1160, -3.9160



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

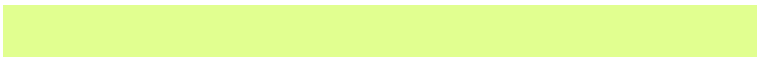
The Same Dimension uses a secret algorithm to generate beautiful new colors.



227.6710, 42.5060, -21.4460



222.2280, 50.9430, -25.6730



233.3760, 17.7510, -40.8810



124.7570, 4.9980, -2.4740



143.9850, 73.1360, -36.9120



47.8990, 24.6690, -12.0590



# Inverse Universe

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



171.3290, -42.5060, 21.4460



154.7720, -50.9430, 25.6730



165.6240, -17.7510, 40.8810



118.2430, -4.9980, 2.4740



47.0150, -73.1360, 36.9120



15.5140, -24.3940, 12.5820



# Previews

## White Background



This preview shows how the YIQ color 227.6710, 42.5060, -21.4460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

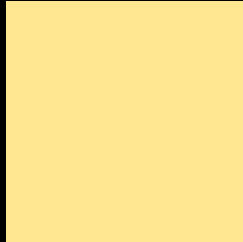
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 227.6710, 42.5060, -21.4460 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 227.6710, 42.5060, -21.4460

## Background



This preview shows how black text looks on a background with the YIQ color 227.6710, 42.5060, -21.4460.



This preview shows how white text looks on a background with the YIQ color 227.6710, 42.5060, -21.4460.

-21.4460.

# 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

227.6710, 42.5060, -21.4460

### Protanopia

227.3610, 40.4430, -22.6050

### Deuteranopia

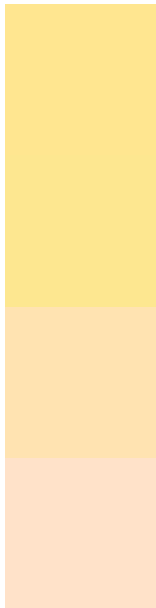
231.2510, 26.9140, -3.1820



## Tritanopia

233.8220, 15.5410, 10.2050

# Trichromacy



## Original Color

227.6710, 42.5060, -21.4460

## Protanomaly

227.6600, 41.0390, -22.3930

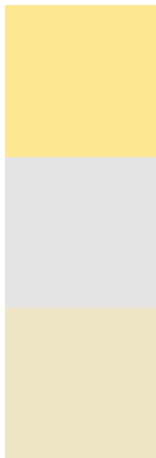
## Deuteranomaly

229.6720, 32.7380, -9.6140

## Tritanomaly

231.8210, 25.3090, -1.6270

# Monochromacy



## Original Color

227.6710, 42.5060, -21.4460

## Achromatopsia

228.0000, 0.0000, 0.0000

## Achromatomaly

228.0430, 15.6360, -8.0440

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 227.6710, 42.5060, -21.4460 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, 230, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 144)  
}
```

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, 230, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 144) }
```

## Border

The CSS property to change the border of an element to YIQ 227.6710, 42.5060, -21.4460 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, 230, 144) }
```



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

```
.border{ border-color:rgb(255, 230, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
144) }
```

# Background

The CSS property to change the background color of an element to YIQ 227.6710, 42.5060, -21.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 144) }
```

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

```
.background{ background-color: rgb(255,  
230, 144) }
```

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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