

# Converting Colors

YIQ(227.7050, 45.1660,  
-25.6020)

Have a look what the booklet for  
YIQ(227.7050, 45.1660, -25.6020)  
contains.

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# Color

**YIQ(227.7050, 45.1660,  
-25.6020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE886
RGB	255, 232, 134
RGB Percent	100%, 91%, 53%
CMY	0.0000, 0.0902, 0.4742
CMYK	0.00, 0.09, 0.47, 0.00
HSL	49°, 100%, 76%
HSV	49°, 47%, 100%
XYZ	74.4008, 80.6904, 34.2315
YIQ	227.7050, 45.1660, -25.6020

# Conversions

## Conversions Part 2

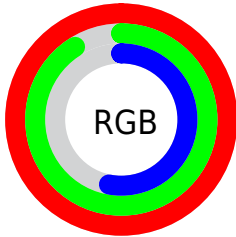
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 255, 134
Decimal	16771206
CIE <sub>Lab</sub>	91.99, -4.69, 50.20
CIE <sub>LCh</sub>	92, 50.421, 95.333
Yxy	80.6904, 0.3930, 0.4262
Android (android.graphics.Color)	4294961286 (0xFFFFE886)
YUV	227.7050, -46.1966, 23.9377
Hunter-Lab	89.8278, -9.3542, 40.2853

# Details

The YIQ color  $227.7050, 45.1660, -25.6020$  is a light color, and the websafe version is hex  $FFFF99$ . A complement of this color would be  $161.2950, -45.1660, 25.6020$ , and the grayscale version is  $228.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $247.4760, 21.1860, -20.5260$ , and  $171.8510, 41.8190, -25.5170$  is the 20% darker color. If you saturate the color by 10%, you get  $221.9200, 54.5660, -30.7620$ , and if you desaturate by 10%, it is  $233.6040, 35.4450, -20.1310$ .

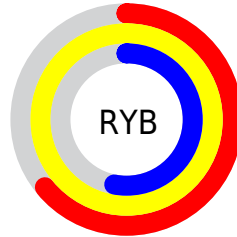
# Distribution



Red (100%)

Green (91%)

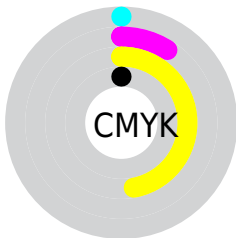
Blue (53%)



Red (64%)

Yellow (100%)

Blue (53%)

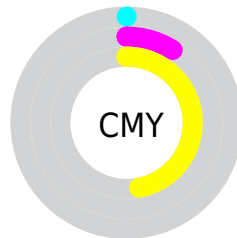


Cyan (0%)

Magenta (9%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 227.7050, 45.1660, -25.6020 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 227.7050, 45.1660, -25.6020 by changing the saturation by 10% instead.



227.7050, 45.1660,  
-25.6020

227.7050, 45.1660,  
-25.6020

255.0000, -0.0000,  
-0.0000

199.3350, 43.3320,  
-25.4040

247.4760, 21.1860,  
-20.5260

171.8510, 41.8190,  
-25.5170

250.6680, 12.1980,  
-11.8180

144.6660, 40.9020,  
-25.4180

253.9740, 2.8890,  
-2.7990

117.9540, 40.0310,  
-26.1530

92.1880, 39.2520,  
-28.5560

70.3260, 30.3560,  
-21.5160

49.6380, 20.9100,

-15.5220

■ 29.8360, 11.7850,  
-9.8390

■ 6.4570, -3.0250,  
-5.7530

■ 227.7050, 45.1660,  
-25.6020

■ 227.7050, 45.1660,  
-25.6020

■ 221.9200, 54.5660,  
-30.7620

■ 233.6040, 35.4450,  
-20.1310

■ 216.0210, 64.2870,  
-36.2330

■ 239.3890, 26.0450,  
-14.9710

■ 210.2360, 73.6870,  
-41.3930

■ 245.2880, 16.3240,  
-9.5000

■ 204.9240, 83.1330,  
-47.3870

■ 250.4860, 7.1990,  
-3.8170

■ 199.1390, 92.5330, 255.0000, -0.0000,  
-52.5470 -0.0000

■ 197.1670, 95.3300,  
-53.6780

# Harmonies

## Analogous

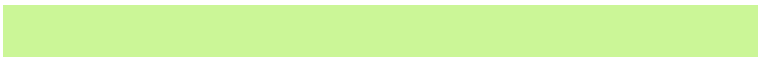
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



218.9800, 46.3100, -13.2900



227.7050, 45.1660, -25.6020



222.3130, 4.8670, -38.6610

# Triad

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



227.7050, 45.1660, -25.6020



178.7550, -151.9800, -54.0600



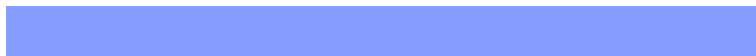
222.7150, 15.1250, 28.7650

# Complementary

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



227.7050, 45.1660, -25.6020



161.2950, -45.1660, 25.6020

# 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.



230.3130, 7.1490, 19.1250



227.7050, 45.1660, -25.6020



197.9680, -103.5670, -33.8630

# Square

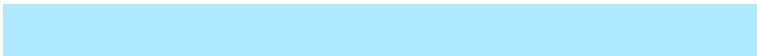
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



227.7050, 45.1660, -25.6020



196.3660, -108.1040, -45.2560



218.4540, -42.5010, -6.1890



215.7730, 26.4050, 22.5730

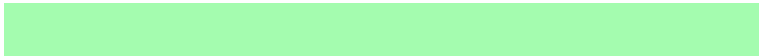


# Rectangle

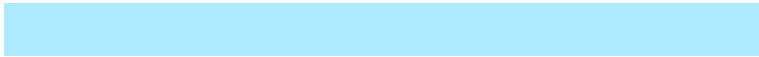
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



227.7050, 45.1660, -25.6020



216.9100, -27.7310, -42.6030



218.4540, -42.5010, -6.1890



225.6500, 13.7500, 26.1500

# Sweetspot

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



227.7050, 45.1660, -25.6020



246.7870, 13.4810, -7.5350



172.9150, 64.4120, 33.1160



122.5570, 8.4370, -4.2270



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

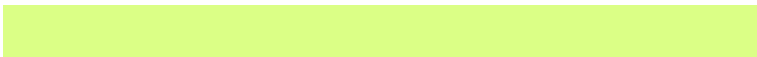
The Same Dimension uses a secret algorithm to generate beautiful new colors.



227.7050, 45.1660, -25.6020



222.0340, 54.2450, -30.4510



230.4420, 17.3850, -45.2630



124.7570, 4.9980, -2.4740



148.0940, 71.2110, -40.5730



49.6600, 23.8440, -13.6280



# Inverse Universe

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



161.2950, -45.1660, 25.6020



142.3790, -53.9700, 30.9740



158.5580, -17.3850, 45.2630



117.6560, -4.7230, 2.9970



42.9060, -71.2110, 40.5730



14.3400, -23.8440, 13.6280



# Previews

## White Background



This preview shows how the YIQ color 227.7050, 45.1660, -25.6020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

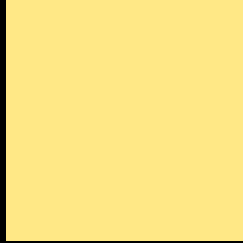
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 227.7050, 45.1660, -25.6020 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 227.7050, 45.1660, -25.6020

## Background



This preview shows how black text looks on a background with the YIQ color 227.7050, 45.1660, -25.6020.



This preview shows how white text looks on a background with the YIQ color 227.7050, 45.1660, -25.6020.

-25.6020.

# 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

227.7050, 45.1660, -25.6020

### Protanopia

227.4060, 44.5700, -25.8140

### Deuteranopia

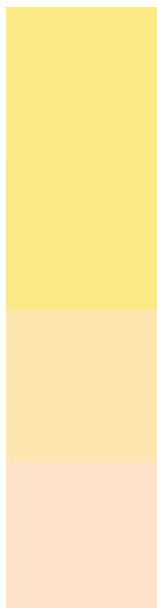
232.6530, 25.7220, -3.6060



## Tritanopia

234.5230, 14.9450, 9.9930

# Trichromacy



## Original Color

227.7050, 45.1660, -25.6020

## Protanomaly

227.4060, 44.5700, -25.8140

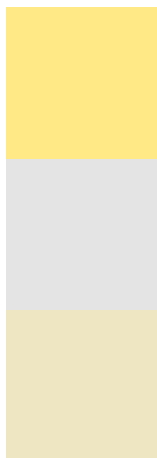
## Deuteranomaly

230.6180, 32.8300, -11.2820

## Tritanomaly

232.0660, 25.9970, -3.0830

# Monochromacy



## Original Color

227.7050, 45.1660, -25.6020

## Achromatopsia

228.0000, 0.0000, 0.0000

## Achromatomaly

227.7010, 16.5990, -8.9770

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 227.7050, 45.1660, -25.6020 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, 232, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 134)  
}
```

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, 232, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 134) }
```

## Border

The CSS property to change the border of an element to YIQ 227.7050, 45.1660, -25.6020 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, 232, 134) }
```



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

```
.border{ border-color:rgb(255, 232, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
134) }
```

# Background

The CSS property to change the background color of an element to YIQ 227.7050, 45.1660, -25.6020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 134) }
```

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

```
.background{ background-color: rgb(255,  
232, 134) }
```

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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