

# Converting Colors

YIQ(242.5590, 6.0960, 10.6720)

Have a look what the booklet for  
YIQ(242.5590, 6.0960, 10.6720)  
contains.

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# Color

**YIQ(242.5590, 6.0960,  
10.6720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAFE
RGB	255, 234, 254
RGB Percent	100%, 92%, 100%
CMY	0.0000, 0.0824, 0.0039
CMYK	0.00, 0.08, 0.00, 0.00
HSL	303°, 100%, 96%
HSV	303°, 8%, 100%
XYZ	88.5501, 87.2565, 105.9429
YIQ	242.5590, 6.0960, 10.6720

# Conversions

## Conversions Part 2

Format	Color
R <sub>YB</sub>	255, 234, 254
Decimal	16771838
CIE Lab	94.85, 10.55, -7.07
CIE LCh	95, 12.698, 326.177
Yxy	87.2565, 0.3143, 0.3097
Android (android.graphics.Color)	4294961918 (0xFFFFEAFE)
YUV	242.5590, 5.6404, 10.9108
Hunter-Lab	93.4112, 5.7412, -1.8563

# Details

The YIQ color  $242.5590, 6.0960, 10.6720$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $246.4410, -6.0960, -10.6720$ , and the grayscale version is  $242.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $186.1460, 5.8210, 10.1490$  is the 20% darker color. If you saturate the color by 10%, you get  $227.1830, 13.5670, 23.9590$ , and if you desaturate by 10%, it is  $255.0000, -0.0000, -0.0000$ .

# Distribution



- Red (100%)
- Green (92%)
- Blue (100%)



- Red (100%)
- Yellow (92%)
- Blue (100%)



- Cyan (0%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 242.5590, 6.0960, 10.6720 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 242.5590, 6.0960, 10.6720 by changing the saturation by 10% instead.




 242.5590, 6.0960,  
10.6720

 242.5590, 6.0960,  
10.6720


255.0000, -0.0000,  
-0.0000


 214.1460, 5.8210,  
10.1490

 186.1460, 5.8210,  
10.1490

 159.7330, 5.5460,  
9.6260

 133.4340, 4.9500,  
9.4140

 108.3200, 5.2710,  
9.1030

 83.9070, 4.9960,  
8.5800

 60.6080, 4.4000,

8.3680

■ 38.4940, 4.7210,  
8.0570

■ 17.0210, 4.6750,  
8.8910

■ 242.5590, 6.0960,  
10.6720

■ 242.5590, 6.0960,  
10.6720

■ 227.1830, 13.5670,  
23.9590

255.0000, -0.0000,  
-0.0000

■ 212.3940, 20.7630,  
36.7230

■ 196.9040, 28.5550,  
49.6990

■ 182.1150, 35.7510,  
62.4630

■ 166.7390, 43.2220,  
75.7500

■ 151.9500, 50.4180,  
88.5140

■ 136.5740, 57.8890,  
101.8010

■ 121.6710, 65.4060,  
114.2540

■ 106.2950, 72.8770,  
127.5410

# Harmonies

## Analogous

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



240.8350, -3.6690, 5.9230



242.5590, 6.0960, 10.6720



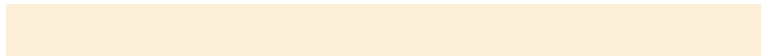
240.0170, 10.4980, 7.9860

# Triad

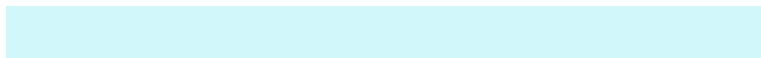
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



242.5590, 6.0960, 10.6720



240.2650, 15.1310, -4.3970



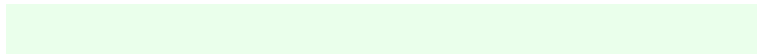
236.2790, -23.0150, -6.9110

# Complementary

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



242.5590, 6.0960, 10.6720



246.4410, -6.0960, -10.6720

# 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.



236.1070, -16.7790, -9.7950



242.5590, 6.0960, 10.6720



238.6550, 5.0450, -8.8350

# Square

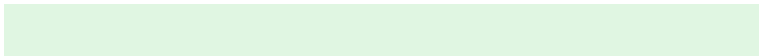
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



242.5590, 6.0960, 10.6720



239.2700, 16.7350, -0.4250



237.1420, -6.6920, -10.8840



236.8710, -21.6860, -3.4620



# Rectangle

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



242.5590, 6.0960, 10.6720



239.1050, 13.0660, 5.4980



237.1420, -6.6920, -10.8840



236.4100, -22.0060, -8.6780

# Sweetspot

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



242.5590, 6.0960, 10.6720



252.0650, 1.3750, 2.6150



236.6930, -6.1450, 6.7430



126.1250, 1.1460, 1.2580



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.



242.5590, 6.0960, 10.6720



240.2110, 7.1960, 12.7640



241.4190, 9.3060, 7.5620



120.2550, 3.8960, 6.4880



77.8570, 55.4140, 97.0940



26.0900, 18.5630, 32.5390



# Inverse Universe

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



242.5590, 6.0960, 10.6720



240.2110, 7.1960, 12.7640



247.5810, -9.3060, -7.5620



120.2550, 3.8960, 6.4880



77.8570, 55.4140, 97.0940



26.0900, 18.5630, 32.5390



# Previews

## White Background



This preview shows how the YIQ color 242.5590, 6.0960, 10.6720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

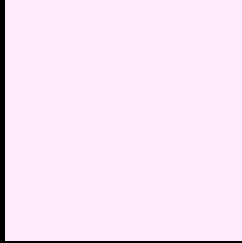
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 242.5590, 6.0960, 10.6720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

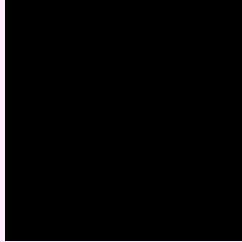
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

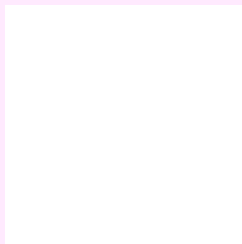
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 242.5590, 6.0960, 10.6720

## Background



This preview shows how black text looks on a background with the YIQ color 242.5590, 6.0960, 10.6720.



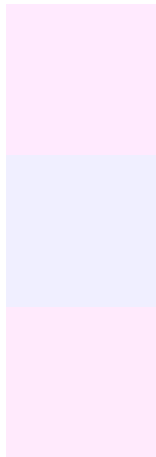
This preview shows how white text looks on a background with the YIQ color 242.5590, 6.0960,



# 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

242.5590, 6.0960, 10.6720

### Protanopia

241.1230, -4.5400, 5.1880

### Deuteranopia

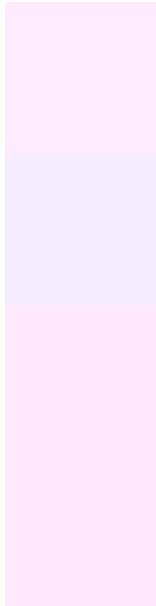
242.3310, 6.7380, 10.0500



## Tritanopia

242.4450, 6.4170, 10.3610

# Trichromacy



## Original Color

242.5590, 6.0960, 10.6720

## Protanomaly

241.4440, -1.0100, 7.2940

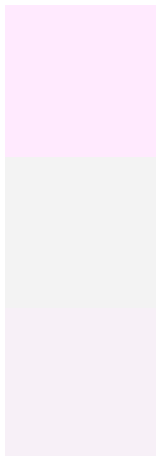
## Deuteranomaly

242.4450, 6.4170, 10.3610

## Tritanomaly

242.4450, 6.4170, 10.3610

# Monochromacy



## Original Color

242.5590, 6.0960, 10.6720

## Achromatopsia

243.0000, 0.0000, -0.0000

## Achromatomaly

242.8910, 1.9250, 3.6610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 242.5590, 6.0960, 10.6720 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, 234, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 254)  
}
```

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, 234, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 254) }
```

## Border

The CSS property to change the border of an element to YIQ 242.5590, 6.0960, 10.6720 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, 234, 254) }
```



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

```
.border{ border-color:rgb(255, 234, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
254) }
```

# Background

The CSS property to change the background color of an element to YIQ 242.5590, 6.0960, 10.6720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 254) }
```

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

```
.background{ background-color: rgb(255,  
234, 254) }
```

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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