

# Converting Colors

YIQ(212.7580, 30.7610, 20.7210)

Have a look what the booklet for  
YIQ(212.7580, 30.7610, 20.7210)  
contains.

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# Color

**YIQ(212.7580, 30.7610,  
20.7210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBFD6
RGB	255, 191, 214
RGB Percent	100%, 75%, 84%
CMY	0.0000, 0.2511, 0.1607
CMYK	0.00, 0.25, 0.16, 0.00
HSL	338°, 100%, 87%
HSV	338°, 25%, 100%
XYZ	72.0059, 63.3663, 72.0719
YIQ	212.7580, 30.7610, 20.7210

# Conversions

## Conversions Part 2

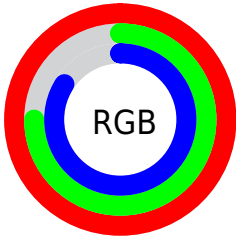
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 191, 214
Decimal	16760790
CIE Lab	83.63, 26.35, -2.52
CIE LCh	84, 26.466, 354.544
Yxy	63.3663, 0.3471, 0.3055
Android (android.graphics.Color)	4294950870 (0xFFFFBFD6)
YUV	212.7580, 0.6123, 37.0462
Hunter-Lab	79.6029, 22.1595, 2.0413

# Details

The YIQ color  $212.7580, 30.7610, 20.7210$  is a light color, and the websafe version is hex  $\text{FFCCCC}$ . A complement of this color would be  $233.2420, -30.7610, -20.7210$ , and the grayscale version is  $213.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $250.8910, 1.9250, 3.6610$ , and  $157.4480, 28.6980, 19.5620$  is the 20% darker color. If you saturate the color by 10%, you get  $195.6720, 43.0470, 29.3430$ , and if you desaturate by 10%, it is  $229.2570, 18.7500, 12.6220$ .

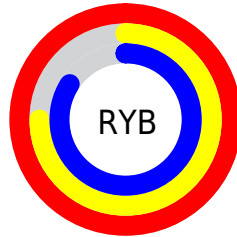
# Distribution



Red (100%)

Green (75%)

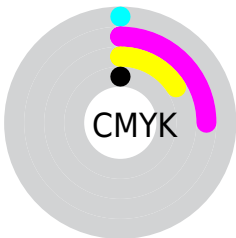
Blue (84%)



Red (100%)

Yellow (75%)

Blue (84%)

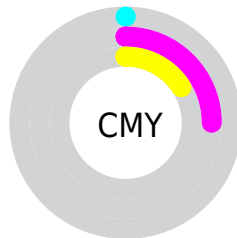


Cyan (0%)

Magenta (25%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 212.7580, 30.7610, 20.7210 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 212.7580, 30.7610, 20.7210 by changing the saturation by 10% instead.




 212.7580, 30.7610,  
20.7210


 212.7580, 30.7610,  
20.7210


255.0000, -0.0000,  
-0.0000


 185.0460, 29.8900,  
19.9860


 250.8910, 1.9250,  
3.6610

 157.4480, 28.6980,  
19.5620

 131.1490, 28.1020,  
19.3500

 105.5510, 26.9100,  
18.9260

 80.6540, 25.1220,  
18.2900

 57.0560, 23.9300,  
17.8660

 33.5720, 22.4170,

17.7530

■ 14.9090, 19.8500,  
14.7140

■ 0.0000, 0.0000,  
0.0000

■ 212.7580, 30.7610,  
20.7210

■ 212.7580, 30.7610,  
20.7210

■ 195.6720, 43.0470,  
29.3430

■ 229.2570, 18.7500,  
12.6220

■ 179.0590, 55.3790,  
37.1310

■ 246.4570, 6.1430,  
4.3110

■ 161.9730, 67.6650,  
45.7530

255.0000, -0.0000,  
-0.0000

■ 145.4740, 79.6760,  
53.8520

■ 128.2740, 92.2830,  
62.1630

■ 111.7750,  
104.2940, 70.2620

■ 94.6890, 116.5800,  
78.8840

■ 86.7330, 122.4480,  
82.6720

# Harmonies

## Analogous

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



212.7480, 10.3580, 21.5420



212.7580, 30.7610, 20.7210



210.4950, 38.5110, 12.4230

# Triad

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



212.7580, 30.7610, 20.7210



204.9080, 11.2820, -17.2460



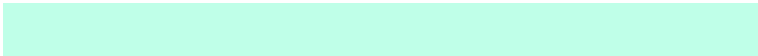
200.4790, -52.8170, -6.4570

# Complementary

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



212.7580, 30.7610, 20.7210



233.2420, -30.7610, -20.7210

# 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.



197.5680, -51.9900, -15.9420



212.7580, 30.7610, 20.7210



201.8820, -12.1920, -21.3440

# Square

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



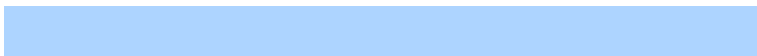
212.7580, 30.7610, 20.7210



207.8290, 30.8580, -8.5820



198.6050, -36.2170, -20.9610



205.2410, -37.0470, 5.1050



# Rectangle

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



212.7580, 30.7610, 20.7210



210.6600, 42.1800, 6.5000



198.6050, -36.2170, -20.9610



198.7020, -55.0630, -9.8070

# Sweetspot

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



212.7580, 30.7610, 20.7210



241.7780, 9.6730, 6.4170



210.5550, 3.8920, 28.5960



119.3430, 6.4640, 4.0000



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.



212.7580, 30.7610, 20.7210



204.8020, 36.6290, 24.5090



215.4190, 35.6690, 8.8610



119.3430, 6.4640, 4.0000



64.9750, 91.6870, 61.9510



21.7580, 30.7610, 20.7210



# Inverse Universe

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



212.7580, 30.7610, 20.7210



204.8020, 36.6290, 24.5090



230.5810, -35.6690, -8.8610



119.3430, 6.4640, 4.0000



64.9750, 91.6870, 61.9510



21.7580, 30.7610, 20.7210



# Previews

## White Background



This preview shows how the YIQ color 212.7580, 30.7610, 20.7210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

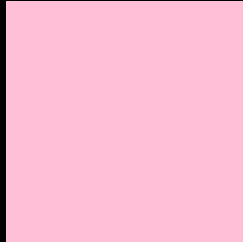
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 212.7580, 30.7610, 20.7210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

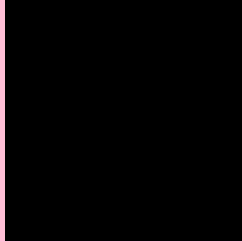
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 212.7580, 30.7610, 20.7210

## Background



This preview shows how black text looks on a background with the YIQ color 212.7580, 30.7610, 20.7210.



This preview shows how white text looks on a background with the YIQ color 212.7580, 30.7610,



# 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

212.7580, 30.7610, 20.7210

### Protanopia

209.2370, -4.8610, 5.4990

### Deuteranopia

210.6150, 11.6900, 8.4100



## Tritanopia

212.2480, 32.1370, 17.8090

# Trichromacy



## Original Color

212.7580, 30.7610, 20.7210

## Protanomaly

210.3420, 8.2050, 10.9970

## Deuteranomaly

211.3710, 18.4290, 12.9330

## Tritanomaly

212.5900, 31.1740, 18.7420

# Monochromacy



## Original Color

212.7580, 30.7610, 20.7210

## Achromatopsia

213.0000, -0.0000, 0.0000

## Achromatomaly

212.7890, 11.1400, 7.3640

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 212.7580, 30.7610, 20.7210 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, 191, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 214)  
}
```

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, 191, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 214) }
```

## Border

The CSS property to change the border of an element to YIQ 212.7580, 30.7610, 20.7210 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".

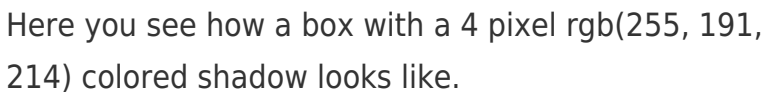
```
.border, #border, table{ border:4px solid rgb(255, 191, 214) }
```



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

```
.border{ border-color:rgb(255, 191, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 191, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
214) }
```

# Background

The CSS property to change the background color of an element to YIQ 212.7580, 30.7610, 20.7210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 214) }
```

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

```
.background{ background-color: rgb(255,  
191, 214) }
```

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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