

# Converting Colors

YIQ(224.1850, 19.2530, 20.0290)

Have a look what the booklet for  
YIQ(224.1850, 19.2530, 20.0290)  
contains.

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# Color

**YIQ(224.1850, 19.2530,  
20.0290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCEED
RGB	255, 206, 237
RGB Percent	100%, 81%, 93%
CMY	0.0000, 0.1922, 0.0705
CMYK	0.00, 0.19, 0.07, 0.00
HSL	322°, 100%, 90%
HSV	322°, 19%, 100%
XYZ	78.5944, 71.5079, 89.7910
YIQ	224.1850, 19.2530, 20.0290

# Conversions

## Conversions Part 2

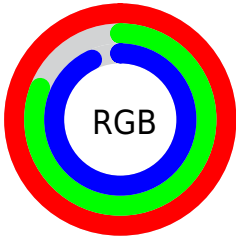
Format	Color
R <sub>Y</sub> B	255, 206, 237
Decimal	16764653
CIE Lab	87.73, 22.19, -8.70
CIE LCh	88, 23.833, 338.578
Yxy	71.5079, 0.3276, 0.2981
Android (android.graphics.Color)	4294954733 (0xFFFFCEED)
YUV	224.1850, 6.3178, 27.0248
Hunter-Lab	84.5624, 17.9182, -3.7624

# Details

The YIQ color  $224.1850, 19.2530, 20.0290$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $236.8150, -19.2530, -20.0290$ , and the grayscale version is  $224.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $168.4730, 18.3820, 19.2940$  is the 20% darker color. If you saturate the color by 10%, you get  $207.8970, 29.2920, 30.8280$ , and if you desaturate by 10%, it is  $239.8860, 9.4890, 9.7530$ .

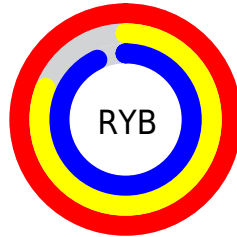
# Distribution



Red (100%)

Green (81%)

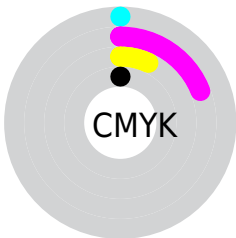
Blue (93%)



Red (100%)

Yellow (81%)

Blue (93%)

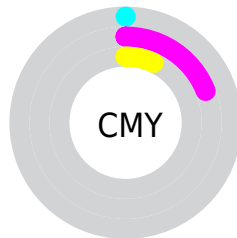


Cyan (0%)

Magenta (19%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 224.1850, 19.2530, 20.0290 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 224.1850, 19.2530, 20.0290 by changing the saturation by 10% instead.



224.1850, 19.2530,  
20.0290

224.1850, 19.2530,  
20.0290

255.0000, -0.0000,  
-0.0000

195.8860, 18.6570,  
19.8170

168.4730, 18.3820,  
19.2940

141.7610, 17.5110,  
18.5590

116.0490, 16.6400,  
17.8240

91.3370, 15.7690,  
17.0890

67.6250, 14.8980,  
16.3540

44.3260, 14.3020,

16.1420

■ 22.1410, 13.3850,  
16.2410

■ 7.9460, 9.2600,  
8.3960

■ 224.1850, 19.2530,  
20.0290

■ 224.1850, 19.2530,  
20.0290

■ 207.8970, 29.2920,  
30.8280

■ 239.8860, 9.4890,  
9.7530

■ 192.0820, 39.3770,  
40.7930

255.0000, -0.0000,  
-0.0000

■ 175.7940, 49.4160,  
51.5920

■ 160.0930, 59.1800,  
61.8680

■ 143.6910, 69.5400,  
72.3560

■ 127.9900, 79.3040,  
82.6320

■ 111.7020, 89.3430,  
93.4310

■ 95.8870, 99.4280,  
103.3960

■ 94.5990, 100.2990,  
104.1310

# Harmonies

## Analogous

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



222.8820, -1.8830, 17.6130



224.1850, 19.2530, 20.0290



220.3890, 27.1860, 13.9220

# Triad

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



224.1850, 19.2530, 20.0290



218.7460, 20.7260, -12.1860



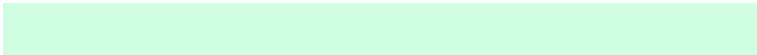
211.2960, -48.0480, -10.2880

# Complementary

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



224.1850, 19.2530, 20.0290



236.8150, -19.2530, -20.0290

# 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.



210.9730, -40.0690, -17.2290



224.1850, 19.2530, 20.0290



215.5200, 0.6910, -18.0370

# Square

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



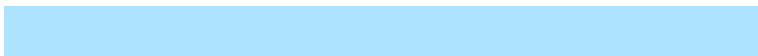
224.1850, 19.2530, 20.0290



220.6710, 34.4790, -2.6170



213.1460, -21.6830, -20.0430



214.3450, -40.5760, -2.5280



# Rectangle

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



224.1850, 19.2530, 20.0290



219.2660, 31.7260, 8.7340



213.1460, -21.6830, -20.0430



210.9000, -46.9930, -12.8890

# Sweetspot

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



224.1850, 19.2530, 20.0290



245.5110, 6.0510, 5.9790



216.9680, -5.0010, 19.0550



122.2610, 3.7590, 3.4630



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.



224.1850, 19.2530, 20.0290



217.8590, 23.2870, 24.0150



221.4490, 26.9570, 12.5650



119.7990, 5.1800, 5.2440



70.9030, 74.9950, 78.1230



23.6960, 25.3040, 26.0080



# Inverse Universe

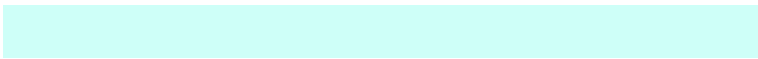
The Inverse Universe completely reimagines the original color for something new.



224.1850, 19.2530, 20.0290



217.8590, 23.2870, 24.0150



239.5510, -26.9570, -12.5650



119.7990, 5.1800, 5.2440



70.9030, 74.9950, 78.1230



23.6960, 25.3040, 26.0080



# Previews

## White Background



This preview shows how the YIQ color 224.1850, 19.2530, 20.0290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

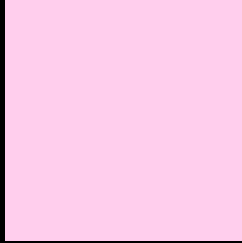
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 224.1850, 19.2530, 20.0290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

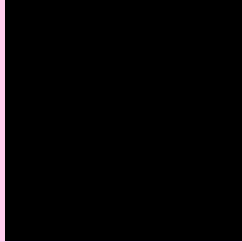
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 224.1850, 19.2530, 20.0290

## Background



This preview shows how black text looks on a background with the YIQ color 224.1850, 19.2530, 20.0290.



This preview shows how white text looks on a background with the YIQ color 224.1850, 19.2530,



# 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

224.1850, 19.2530, 20.0290

### Protanopia

221.3660, -9.5380, 7.6620

### Deuteranopia

222.7870, 5.4540, 11.2940



## Tritanopia

223.2790, 21.6840, 14.5160

# Trichromacy



## Original Color

224.1850, 19.2530, 20.0290

## Protanomaly

222.2750, 1.1440, 12.3120

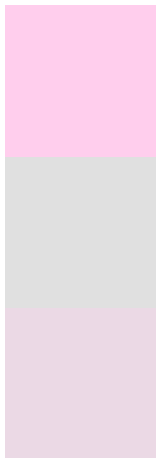
## Deuteranomaly

223.1190, 10.4510, 14.3470

## Tritanomaly

223.5610, 20.9500, 16.8060

# Monochromacy



## Original Color

224.1850, 19.2530, 20.0290

## Achromatopsia

224.0000, -0.0000, 0.0000

## Achromatomaly

223.7500, 6.8760, 7.5480

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 224.1850, 19.2530, 20.0290 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, 206, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 237)  
}
```

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, 206, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 237) }
```

## Border

The CSS property to change the border of an element to YIQ 224.1850, 19.2530, 20.0290 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, 206, 237) }
```



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

```
.border{ border-color:rgb(255, 206, 237) }
```

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

Here you see how a box with a 4 pixel rgb(255, 206, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
237) }
```

# Background

The CSS property to change the background color of an element to YIQ 224.1850, 19.2530, 20.0290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 237) }
```

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

```
.background{ background-color: rgb(255,  
206, 237) }
```

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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