

# Converting Colors

YIQ(228.2420, 13.9380, 0.7060)

Have a look what the booklet for  
YIQ(228.2420, 13.9380, 0.7060)  
contains.

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# Color

**YIQ(228.2420, 13.9380,  
0.7060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E0D6
RGB	242, 224, 214
RGB Percent	95%, 88%, 84%
CMY	0.0509, 0.1216, 0.1607
CMYK	0.00, 0.07, 0.12, 0.05
HSL	21°, 52%, 89%
HSV	21°, 12%, 95%
XYZ	75.4144, 77.0420, 74.5249
YIQ	228.2420, 13.9380, 0.7060

# Conversions

## Conversions Part 2

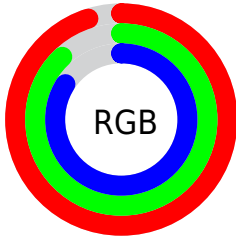
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 230, 214
Decimal	15917270
CIE Lab	90.34, 4.52, 7.09
CIE LCh	90, 8.409, 57.476
Yxy	77.0420, 0.3322, 0.3394
Android (android.graphics.Color)	4294107350 (0xFFF2E0D6)
YUV	228.2420, -7.0213, 12.0658
Hunter-Lab	87.7736, -0.2378, 11.1008

# Details

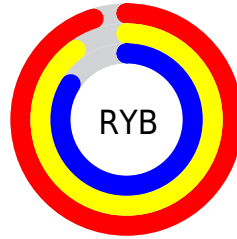
The YIQ color **228.2420, 13.9380, 0.7060** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **227.7580, -13.9380, -0.7060**, and the grayscale version is **228.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **255.0000, -0.0000, -0.0000**, and **172.9430, 13.3420, 0.4940** is the 20% darker color. If you saturate the color by 10%, you get **216.1140, 26.0420, 1.6100**, and if you desaturate by 10%, it is **240.3700, 1.8340, -0.1980**.

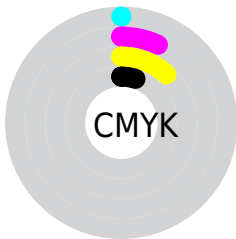
# Distribution



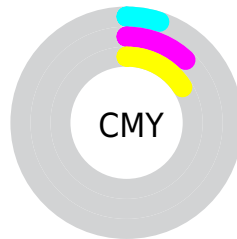
- Red (95%)
- Green (88%)
- Blue (84%)



- Red (95%)
- Yellow (90%)
- Blue (84%)



- Cyan (0%)
- Magenta (7%)
- Yellow (12%)
- Black (5%)



- Cyan (5%)
- Magenta (12%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 228.2420, 13.9380, 0.7060 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 228.2420, 13.9380, 0.7060 by changing the saturation by 10% instead.



228.2420, 13.9380,  
0.7060

228.2420, 13.9380,  
0.7060

255.0000, -0.0000,  
-0.0000

200.2420, 13.9380,  
0.7060

172.9430, 13.3420,  
0.4940

146.0570, 13.0210,  
0.8050

120.4590, 11.8290,  
0.3810

95.5730, 11.5080,  
0.6920

72.2740, 10.9120,  
0.4800

49.0890, 9.9950,

0.5790

■ 28.3770, 9.1240,  
-0.1560

■ 3.8870, 7.7480,  
2.7560

■ 228.2420, 13.9380,  
0.7060

■ 228.2420, 13.9380,  
0.7060

■ 216.1140, 26.0420,  
1.6100

■ 240.3700, 1.8340,  
-0.1980

■ 204.5730, 37.8710,  
1.9910

■ 251.1130, -7.7480,  
-2.7560

■ 192.3310, 50.2960,  
2.5840

■ 180.7900, 62.1250,  
2.9650

■ 168.6620, 74.2290,  
3.8690

■ 157.1210, 86.0580,  
4.2500

■ 144.9930, 98.1620,  
5.1540

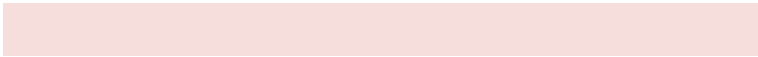
■ 132.7510,  
110.5870, 5.7470

■ 122.8400,  
120.5820, 6.3260

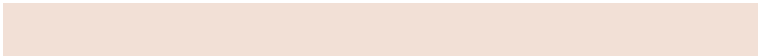
# Harmonies

## Analogous

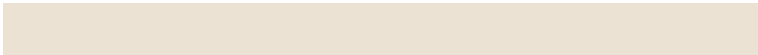
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



228.6490, 14.3500, 4.2540



228.2420, 13.9380, 0.7060



226.9810, 10.1790, -2.7570

# Triad

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



228.2420, 13.9380, 0.7060



224.7380, -11.1860, -6.5300



228.4220, -3.9440, 5.4000

# Complementary

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



228.2420, 13.9380, 0.7060



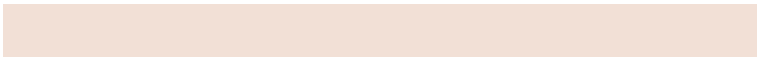
227.7580, -13.9380, -0.7060

# 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.



226.7200, -10.7750, 2.5450



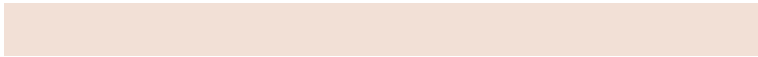
228.2420, 13.9380, 0.7060



225.0520, -14.9460, -4.4660

# Square

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



228.2420, 13.9380, 0.7060



225.3320, -4.1710, -7.0110



226.1600, -15.1300, -1.1300

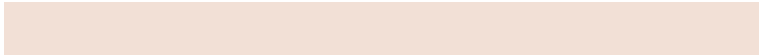


228.6680, 4.1710, 7.0110

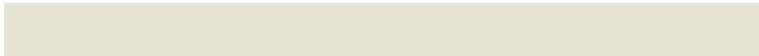


# Rectangle

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



228.2420, 13.9380, 0.7060



226.4750, 5.7320, -4.7640



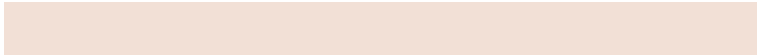
226.1600, -15.1300, -1.1300



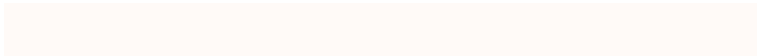
227.6390, -6.0530, 5.0750

# Sweetspot

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



228.2420, 13.9380, 0.7060



251.1530, 3.9430, 0.1270



224.4240, 10.9100, 11.5340



124.9680, 3.0260, 0.2260



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

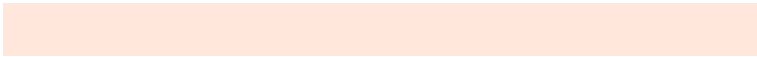


# Same Dimension

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



228.2420, 13.9380, 0.7060



237.3950, 17.8810, 0.8330



236.4600, 10.0880, -6.6160



113.9360, 6.0520, 0.4520



93.1710, 91.7890, 5.0130



28.4840, 27.8760, 1.4120

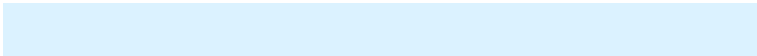


# Inverse Universe

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



227.7580, -13.9380, -0.7060



236.6050, -17.8810, -0.8330



219.5400, -10.0880, 6.6160



114.0640, -6.0520, -0.4520



90.2420, -91.5140, -4.4900

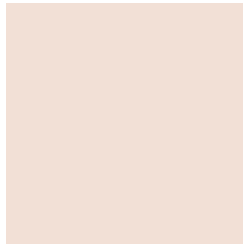


27.5160, -27.8760, -1.4120



# Previews

## White Background



This preview shows how the YIQ color 228.2420, 13.9380, 0.7060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

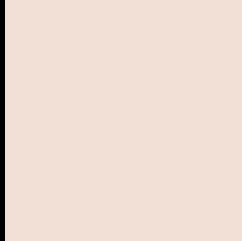
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 228.2420, 13.9380, 0.7060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

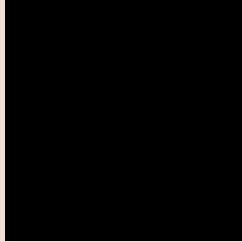
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 228.2420, 13.9380, 0.7060**

## **Background**



This preview shows how black text looks on a background with the YIQ color 228.2420, 13.9380, 0.7060.



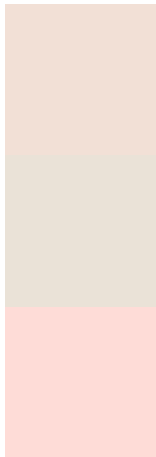
This preview shows how white text looks on a background with the YIQ color 228.2420, 13.9380,

0.7060.

# 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

228.2420, 13.9380, 0.7060

### Protanopia

227.1380, 8.2990, -1.7250

### Deuteranopia

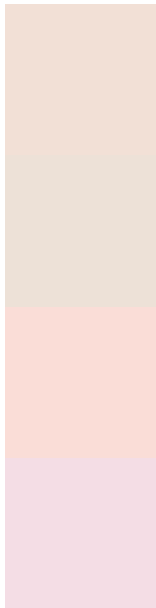
229.5960, 21.8690, 5.6530



## Tritanopia

229.5270, 9.1220, 10.8980

# Trichromacy



## Original Color

228.2420, 13.9380, 0.7060

## Protanomaly

227.4480, 10.3620, -0.5660

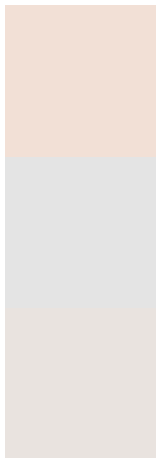
## Deuteranomaly

228.9870, 19.2100, 4.2820

## Tritanomaly

228.7890, 11.1400, 7.3640

# Monochromacy



## Original Color

228.2420, 13.9380, 0.7060

## Achromatopsia

228.0000, 0.0000, 0.0000

## Achromatomaly

228.3380, 4.8600, 0.0280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 228.2420, 13.9380, 0.7060 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(242, 224, 214)` looks like.

```
.text, #text, p{  
    color:rgb(242, 224, 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(242, 224, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 224, 214) }
```

## Border

The CSS property to change the border of an element to YIQ 228.2420, 13.9380, 0.7060 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(242, 224, 214) }
```



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

```
.border{ border-color:rgb(242, 224, 214) }
```

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

Here you see how a box with a 4 pixel rgb(242, 224, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 224, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 224, 214);  
box-shadow:4px 4px 4px 4px rgb(242, 224,  
214) }
```

# Background

The CSS property to change the background color of an element to YIQ 228.2420, 13.9380, 0.7060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 224, 214) }
```

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

```
.background{ background-color: rgb(242,  
224, 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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