

# Converting Colors

YIQ(228.6440, 12.7460, 0.2820)

Have a look what the booklet for  
YIQ(228.6440, 12.7460, 0.2820)  
contains.

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# Color

**YIQ(228.6440, 12.7460,  
0.2820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1E1D7
RGB	241, 225, 215
RGB Percent	95%, 88%, 84%
CMY	0.0549, 0.1177, 0.1568
CMYK	0.00, 0.07, 0.11, 0.05
HSL	23°, 48%, 89%
HSV	23°, 11%, 95%
XYZ	75.4694, 77.4560, 75.2728
YIQ	228.6440, 12.7460, 0.2820

# Conversions

## Conversions Part 2

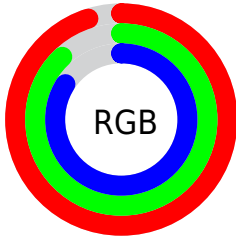
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 231, 215
Decimal	15851991
CIE Lab	90.53, 3.81, 6.83
CIE LCh	91, 7.823, 60.822
Yxy	77.4560, 0.3307, 0.3394
Android (android.graphics.Color)	4294042071 (0xFFFF1E1D7)
YUV	228.6440, -6.7265, 10.8362
Hunter-Lab	88.0091, -0.9489, 10.8966

# Details

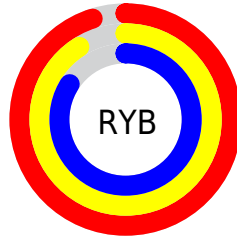
The YIQ color  $228.6440, 12.7460, 0.2820$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $227.3560, -12.7460, -0.2820$ , and the grayscale version is  $229.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $173.3450, 12.1500, 0.0700$  is the 20% darker color. If you saturate the color by 10%, you get  $217.1030, 24.5750, 0.6630$ , and if you desaturate by 10%, it is  $240.1850, 0.9170, -0.0990$ .

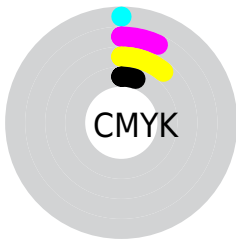
# Distribution



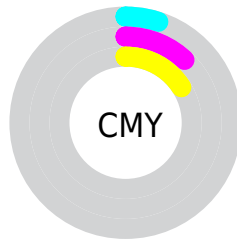
- Red (95%)
- Green (88%)
- Blue (84%)



- Red (95%)
- Yellow (91%)
- Blue (84%)



- Cyan (0%)
- Magenta (7%)
- Yellow (11%)
- Black (5%)



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

# Brightness & Saturation Gradients

These gradients show how the YIQ color 228.6440, 12.7460, 0.2820 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 228.6440, 12.7460, 0.2820 by changing the saturation by 10% instead.



228.6440, 12.7460,  
0.2820

228.6440, 12.7460,  
0.2820

255.0000, -0.0000,  
-0.0000

200.6440, 12.7460,  
0.2820

173.3450, 12.1500,  
0.0700

146.4590, 11.8290,  
0.3810

121.1600, 11.2330,  
0.1690

95.9750, 10.3160,  
0.2680

72.5620, 10.0410,  
-0.2550

49.7900, 9.3990,

0.3670

■ 28.4910, 8.8030,  
0.1550

■ 3.8870, 7.7480,  
2.7560

■ 228.6440, 12.7460,  
0.2820

■ 228.6440, 12.7460,  
0.2820

■ 217.1030, 24.5750,  
0.6630

■ 240.1850, 0.9170,  
-0.0990

■ 205.5620, 36.4040,  
1.0440

■ 250.8140, -8.3440,  
-2.9680

■ 194.0210, 48.2330,  
1.4250

■ 183.0670, 59.7870,  
1.2830

■ 171.5260, 71.6160,  
1.6640

■ 159.8710, 83.7660,  
1.7340

■ 148.3300, 95.5950,  
2.1150

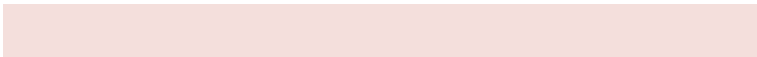
■ 136.7890,  
107.4240, 2.4960

■ 126.6500,  
118.0610, 2.4530

# Harmonies

## Analogous

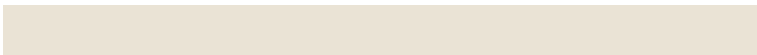
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



228.9370, 13.4790, 3.5190



228.6440, 12.7460, 0.2820



227.4970, 8.6660, -2.8700

# Triad

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



228.6440, 12.7460, 0.2820



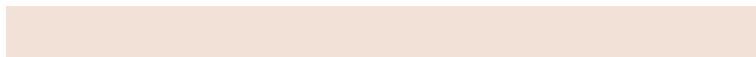
225.2650, -11.2320, -5.6960



228.9060, -2.4310, 5.5130

# Complementary

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



228.6440, 12.7460, 0.2820



227.3560, -12.7460, -0.2820

# 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.



227.6170, -8.9870, 3.1810



228.6440, 12.7460, 0.2820



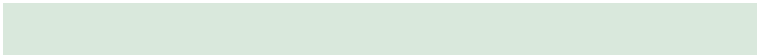
225.7640, -14.0750, -3.7310

# Square

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



228.6440, 12.7460, 0.2820



226.1470, -5.0880, -6.9120



226.7580, -13.9380, -0.7060



229.4400, 4.8130, 6.3890



# Rectangle

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



228.6440, 12.7460, 0.2820



227.2900, 4.8150, -4.6650



226.7580, -13.9380, -0.7060



228.7100, -4.8150, 4.6650

# Sweetspot

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



228.6440, 12.7460, 0.2820



251.1530, 3.9430, 0.1270



224.5980, 10.3600, 10.4880



124.9680, 3.0260, 0.2260



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

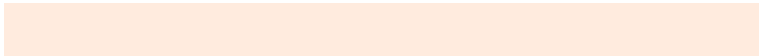


# Same Dimension

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



228.6440, 12.7460, 0.2820



239.4980, 16.0930, 0.1970



236.2750, 9.1710, -6.5170



113.9360, 6.0520, 0.4520



96.6930, 90.1390, 1.8750



29.6580, 27.3260, 0.3660

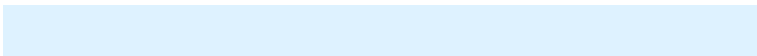


# Inverse Universe

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



227.3560, -12.7460, -0.2820



237.5020, -16.0930, -0.1970



219.7250, -9.1710, 6.5170



113.4770, -5.7770, 0.0710



87.3070, -90.1390, -1.8750

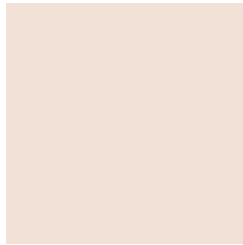


26.9290, -27.6010, -0.8890



# Previews

## White Background



This preview shows how the YIQ color 228.6440, 12.7460, 0.2820 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 228.6440, 12.7460, 0.2820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

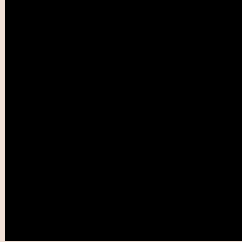
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

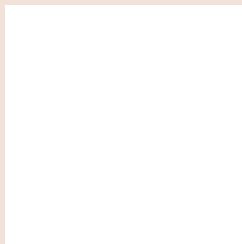
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 228.6440, 12.7460, 0.2820

## Background



This preview shows how black text looks on a background with the YIQ color 228.6440, 12.7460, 0.2820.



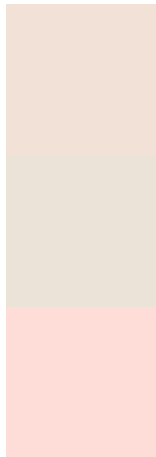
This preview shows how white text looks on a background with the YIQ color 228.6440, 12.7460,

0.2820.

# 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

228.6440, 12.7460, 0.2820

### Protanopia

228.1380, 8.2990, -1.7250

### Deuteranopia

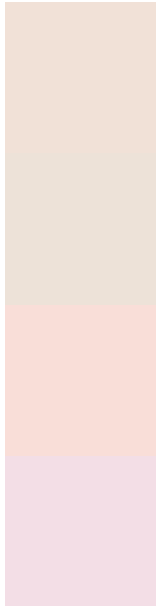
229.7100, 21.5480, 5.9640



## Tritanopia

229.9290, 7.9300, 10.4740

# Trichromacy



## Original Color

228.6440, 12.7460, 0.2820

## Protanomaly

228.1490, 9.7660, -0.7780

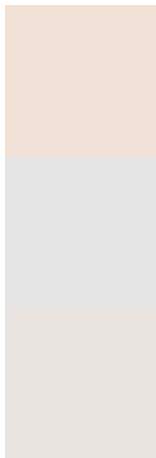
## Deuteranomaly

229.3890, 18.0180, 3.8580

## Tritanomaly

229.1910, 9.9480, 6.9400

# Monochromacy



## Original Color

228.6440, 12.7460, 0.2820

## Achromatopsia

229.0000, -0.0000, -0.0000

## Achromatomaly

229.0390, 4.2640, -0.1840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 228.6440, 12.7460, 0.2820 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(241, 225, 215)` looks like.

```
.text, #text, p{  
    color:rgb(241, 225, 215)  
}
```

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(241, 225, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 225, 215) }
```

## Border

The CSS property to change the border of an element to YIQ 228.6440, 12.7460, 0.2820 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(241, 225, 215) }
```



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

```
.border{ border-color:rgb(241, 225, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 225, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 225, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 225, 215);  
box-shadow:4px 4px 4px 4px rgb(241, 225,  
215) }
```

# Background

The CSS property to change the background color of an element to YIQ 228.6440, 12.7460, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 225, 215) }
```

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

```
.background{ background-color: rgb(241,  
225, 215) }
```

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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