

# Converting Colors

YIQ(227.4580, 12.4290,  
-21.5150)

Have a look what the booklet for  
YIQ(227.4580, 12.4290, -21.5150)  
contains.

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# Color

**YIQ(227.4580, 12.4290,  
-21.5150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2EEB1
RGB	226, 238, 177
RGB Percent	89%, 93%, 69%
CMY	0.1138, 0.0666, 0.3058
CMYK	0.05, 0.00, 0.26, 0.07
HSL	72°, 64%, 81%
HSV	72°, 26%, 93%
XYZ	69.8729, 80.4932, 53.4619
YIQ	227.4580, 12.4290, -21.5150

# Conversions

## Conversions Part 2

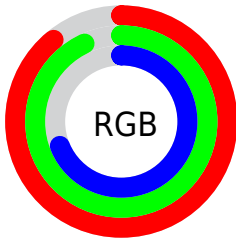
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 238, 189
Decimal	14872241
CIELab	91.91, -13.85, 28.26
CIELCh	92, 31.474, 116.109
Yxy	80.4932, 0.3428, 0.3949
Android (android.graphics.Color)	4293062321 (0xFFE2EEB1)
YUV	227.4580, -24.8758, -1.2787
Hunter-Lab	89.7180, -17.9897, 27.4724

# Details

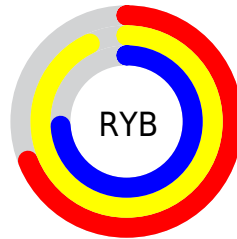
The YIQ color  $227.4580, 12.4290, -21.5150$  is a light color, and the websafe version is hex  $FFFFCC$ . A complement of this color would be  $187.5420, -12.4290, 21.5150$ , and the grayscale version is  $228.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $252.4920, 7.0620, -6.8420$ , and  $171.8000, 11.4660, -20.5820$  is the 20% darker color. If you saturate the color by 10%, you get  $223.2270, 17.1530, -30.0390$ , and if you desaturate by 10%, it is  $231.6890, 7.7050, -12.9910$ .

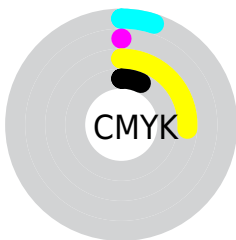
# Distribution



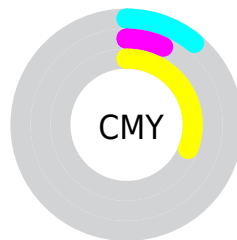
- Red (89%)
- Green (93%)
- Blue (69%)



- Red (69%)
- Yellow (93%)
- Blue (74%)



- Cyan (5%)
- Magenta (0%)
- Yellow (26%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 227.4580, 12.4290, -21.5150 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 227.4580, 12.4290, -21.5150 by changing the saturation by 10% instead.



■ 227.4580, 12.4290,  
-21.5150

■ 227.4580, 12.4290,  
-21.5150

255.0000, -0.0000,  
-0.0000

■ 199.5720, 12.1080,  
-21.2040

■ 252.4920, 7.0620,  
-6.8420

■ 171.8000, 11.4660,  
-20.5820

■ 145.0280, 10.8240,  
-19.9600

■ 119.1420, 10.5030,  
-19.6490

■ 94.3700, 9.8610,  
-19.0270

■ 70.4840, 9.5400,  
-18.7160

■ 47.0710, 9.2650,

-19.2390

■ 28.0090, 3.8080,  
-13.9520

■ 7.6310, -3.5750,  
-6.7990

■ 227.4580, 12.4290,  
-21.5150

■ 227.4580, 12.4290,  
-21.5150

■ 223.2270, 17.1530,  
-30.0390

■ 231.6890, 7.7050,  
-12.9910

■ 219.2950, 22.4730,  
-38.3510

■ 235.6210, 2.3850,  
-4.6790

■ 215.1780, 26.8760,  
-46.5640

■ 239.7380, -2.0180,  
3.5340

■ 210.9470, 31.6000,  
-55.0880

■ 242.0310, -1.2850,  
6.7710

■ 207.0150, 36.9200,  
-63.4000

■ 243.2270, 1.0990,  
7.6190

■ 202.7840, 41.6440,  
-71.9240

■ 244.7220, 4.0790,  
8.6790

■ 198.5530, 46.3680,  
-80.4480

■ 245.0210, 4.6750,  
8.8910

■ 196.8150, 48.3860,  
-83.9820

# Harmonies

## Analogous

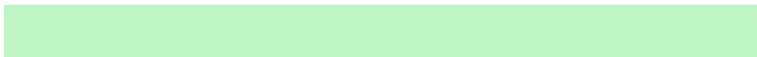
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



229.6890, 34.0680, -11.6920



227.4580, 12.4290, -21.5150



223.3820, -16.7760, -26.3760

# Triad

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



227.4580, 12.4290, -21.5150



218.3440, -57.1710, -15.6590



226.5330, 18.1530, 17.9370

# Complementary

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



227.4580, 12.4290, -21.5150



187.5420, -12.4290, 21.5150

# Split Complementary

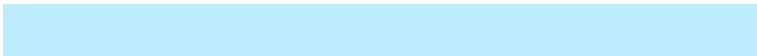
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



232.1070, 10.7250, 20.3970



227.4580, 12.4290, -21.5150



224.1130, -34.1110, -4.0550

# Square

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



227.4580, 12.4290, -21.5150



217.4030, -64.8270, -20.0830



230.2140, -6.0540, 10.6020



223.7000, 27.5080, 8.0840

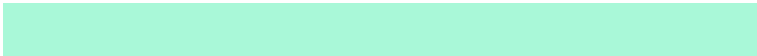


# Rectangle

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



227.4580, 12.4290, -21.5150



220.7310, -36.8120, -26.7000



230.2140, -6.0540, 10.6020



228.2600, 14.6680, 20.5240

# Sweetspot

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



227.4580, 12.4290, -21.5150



251.5240, 4.0360, -7.0680



201.6960, 33.3310, 7.1790



125.6210, 2.3850, -4.6790



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

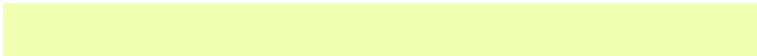


# Same Dimension

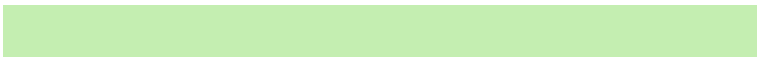
The Same Dimension uses a secret algorithm to generate beautiful new colors.



227.4580, 12.4290, -21.5150



241.2100, 15.8230, -27.9610



218.4880, -5.4510, -27.8750



117.7350, 2.0640, -4.3680



151.9610, 37.0120, -65.0680



46.3270, 11.4200, -19.7480



# Inverse Universe

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



187.5420, -12.4290, 21.5150



189.7900, -15.8230, 27.9610



196.5120, 5.4510, 27.8750



109.9660, -2.6600, 4.1560



31.7400, -37.6080, 64.8560

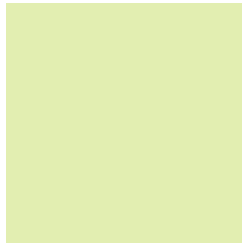


9.6730, -11.4200, 19.7480



# Previews

## White Background



This preview shows how the YIQ color 227.4580, 12.4290, -21.5150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

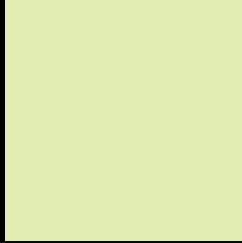
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 227.4580, 12.4290, -21.5150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

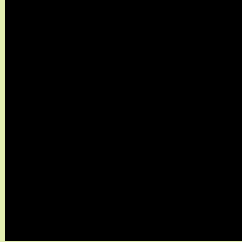
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 227.4580, 12.4290, -21.5150

## Background



This preview shows how black text looks on a background with the YIQ color 227.4580, 12.4290, -21.5150.



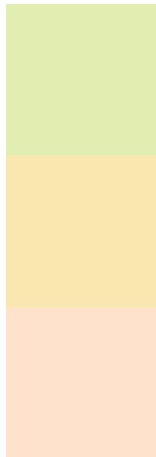
This preview shows how white text looks on a background with the YIQ color 227.4580, 12.4290, -21.5150.

-21.5150.

# 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

227.4580, 12.4290, -21.5150

### Protanopia

229.5850, 28.4290, -14.1230

### Deuteranopia

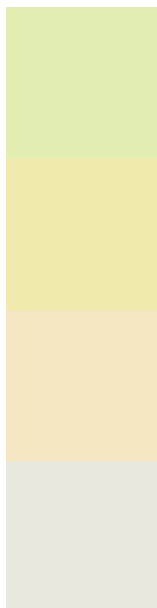
232.1630, 24.3460, -0.6940



## Tritanopia

232.8460, -2.2020, 6.8700

# Trichromacy



## Original Color

227.4580, 12.4290, -21.5150

## Protanomaly

229.0680, 22.5150, -17.0770

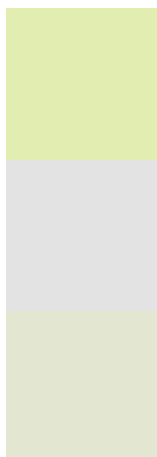
## Deuteranomaly

230.0820, 19.9000, -8.2280

## Tritanomaly

230.8600, 3.2100, -3.1100

# Monochromacy



## Original Color

227.4580, 12.4290, -21.5150

## Achromatopsia

227.0000, -0.0000, -0.0000

## Achromatomaly

227.2960, 4.6780, -7.6900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 227.4580, 12.4290, -21.5150 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(226, 238, 177)` looks like.

```
.text, #text, p{  
    color:rgb(226, 238, 177)  
}
```

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(226, 238, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 238, 177) }
```

## Border

The CSS property to change the border of an element to YIQ 227.4580, 12.4290, -21.5150 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(226, 238, 177) }
```



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

```
.border{ border-color:rgb(226, 238, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 238, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 238, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 238, 177); box-shadow:4px 4px 4px 4px rgb(226, 238, 177) }
```

# Background

The CSS property to change the background color of an element to YIQ 227.4580, 12.4290, -21.5150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 238, 177) }
```

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

```
.background{ background-color: rgb(226,  
238, 177) }
```

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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