

Converting Colors

YIQ(236.3570, -5.3190, 2.7850)

Have a look what the booklet for
YIQ(236.3570, -5.3190, 2.7850)
contains.

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Color

**YIQ(236.3570, -5.3190,
2.7850)**

Conversions

Conversions Part 1

Format	Color
Hex	E9ECF7
RGB	233, 236, 247
RGB Percent	91%, 93%, 97%
CMY	0.0863, 0.0745, 0.0314
CMYK	0.06, 0.04, 0.00, 0.03
HSL	227°, 47%, 94%
HSV	227°, 6%, 97%
XYZ	80.3874, 84.0302, 99.9722
YIQ	236.3570, -5.3190, 2.7850

Conversions

Conversions Part 2

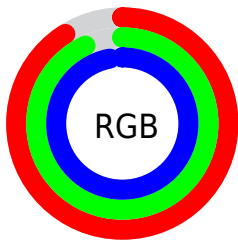
Format	Color
R _Y B	233, 235, 247
Decimal	15330551
CIE Lab	93.46, 1.02, -5.66
CIE LCh	93, 5.749, 280.222
Yxy	84.0302, 0.3040, 0.3178
Android (android.graphics.Color)	4293520631 (0xFFE9ECF7)
YUV	236.3570, 5.2470, -2.9441
Hunter-Lab	91.6680, -3.8850, -0.4935

Details

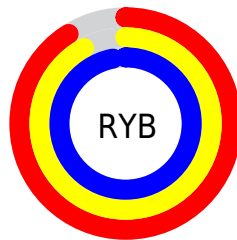
The YIQ color $236.3570, -5.3190, 2.7850$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $243.6430, 5.3190, -2.7850$, and the grayscale version is $236.0000, 0.0000, -0.0000$.

A 20% lighter version of the original color is $255.0000, -0.0000, -0.0000$, and $180.3570, -5.3190, 2.7850$ is the 20% darker color. If you saturate the color by 10%, you get $217.7290, -14.9940, 7.4220$, and if you desaturate by 10%, it is $254.0880, 2.5680, -2.4880$.

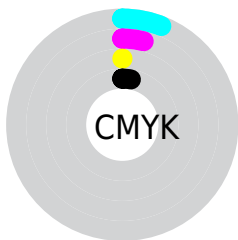
Distribution



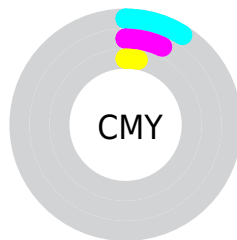
- Red (91%)
- Green (93%)
- Blue (97%)



- Red (91%)
- Yellow (92%)
- Blue (97%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (9%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 236.3570, -5.3190, 2.7850 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 236.3570, -5.3190, 2.7850 by changing the saturation by 10% instead.

■ 236.3570, -5.3190,
2.7850

■ 236.3570, -5.3190,
2.7850

255.0000, -0.0000,
-0.0000

■ 208.3570, -5.3190,
2.7850

■ 180.3570, -5.3190,
2.7850

■ 153.6560, -4.7230,
2.9970

■ 128.1290, -4.6770,
2.1630

■ 103.1290, -4.6770,
2.1630

■ 79.1290, -4.6770,
2.1630

■ 56.0150, -4.3560,

1.8520

■ 34.3140, -3.7600,
2.0640

■ 12.2430, -4.9980,
2.4740

■ 236.3570, -5.3190,
2.7850

■ 236.3570, -5.3190,
2.7850

■ 217.7290,
-14.9940, 7.4220

■ 254.0880, 2.5680,
-2.4880

■ 198.8130,
-23.7980, 12.7940

■ 180.1850,
-33.4730, 17.4310

■ 160.9700,
-42.8730, 22.5910

■ 142.6410,
-51.9520, 27.4400

■ 124.0130,
-61.6270, 32.0770

■ 104.7980,
-71.0270, 37.2370

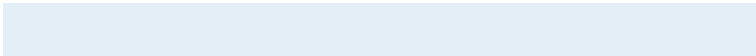
■ 86.1700, -80.7020,
41.8740

■ 67.2540, -89.5060,
47.2460

Harmonies

Analogous

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



235.6230, -9.1240, 0.1560



236.3570, -5.3190, 2.7850



237.0480, 0.0450, 4.6930

Triad

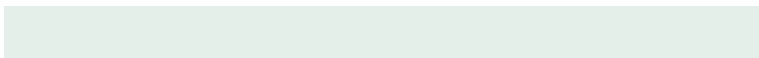
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



236.3570, -5.3190, 2.7850



237.0290, 10.2240, 1.9360



234.6140, -4.9050, -4.7210

Complementary

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



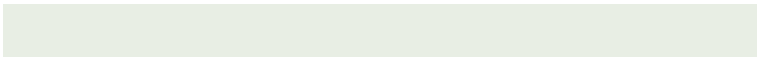
236.3570, -5.3190, 2.7850



243.6430, 5.3190, -2.7850

Split Complementary

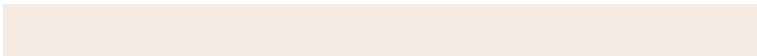
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



235.0660, -0.3660, -4.3820



236.3570, -5.3190, 2.7850



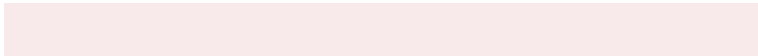
236.9640, 8.8490, -0.6790

Square

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



236.3570, -5.3190, 2.7850



237.5990, 8.6190, 3.4910



235.6430, 5.3190, -2.7850



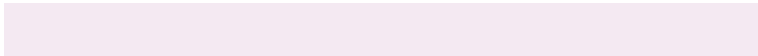
234.6890, -9.4900, -4.2260

Rectangle

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



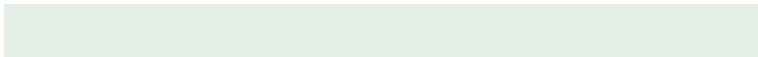
236.3570, -5.3190, 2.7850



237.3150, 3.6670, 5.1310



235.6430, 5.3190, -2.7850



234.7990, -3.9880, -4.8200

Sweetspot

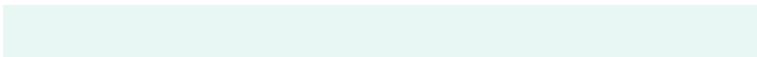
The Sweet Spot groups the original color and five complimentary colors.



236.3570, -5.3190, 2.7850



251.1570, -1.8800, 1.0320



242.4720, -7.3810, -3.9010



125.3420, -0.9630, 0.9330



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.



236.3570, -5.3190, 2.7850



241.4000, -6.8780, 3.5060



235.7920, -2.1100, 5.2020



115.2000, -3.4390, 1.7530



44.6840, -70.7060, 36.9260



14.3570, -22.5140, 11.5500

Inverse Universe

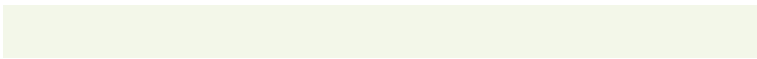
The Inverse Universe completely reimagines the original color for something new.



237.5280, 7.3810, 3.9010



242.8380, 9.4440, 5.0600



244.2080, 2.1100, -5.2020



115.9190, 4.7220, 2.5300



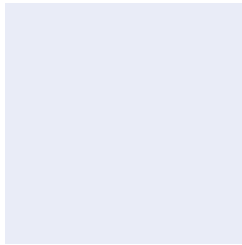
60.1740, 98.0160, 51.8720



19.1230, 30.9910, 16.5510

Previews

White Background



This preview shows how the YIQ color 236.3570, -5.3190, 2.7850 looks on a white background.

Color Contrast Check

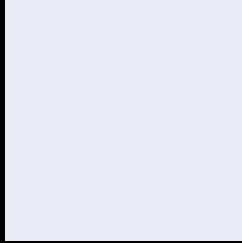
Large Text (above 18pt) WCAG AA × Fail

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 236.3570, -5.3190, 2.7850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

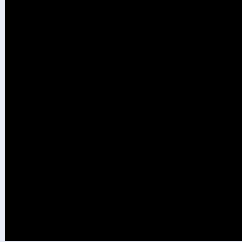
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

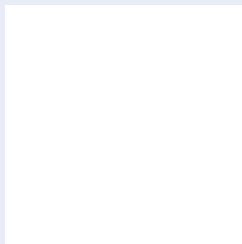
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 236.3570, -5.3190, 2.7850

Background



This preview shows how black text looks on a background with the YIQ color 236.3570, -5.3190, 2.7850.



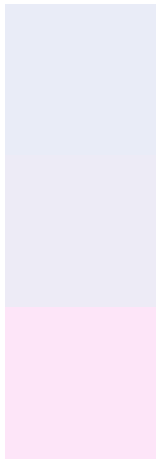
This preview shows how white text looks on a background with the YIQ color 236.3570, -5.3190,

2.7850.

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

236.3570, -5.3190, 2.7850

Protanopia

236.8520, -2.3390, 3.8450

Deuteranopia

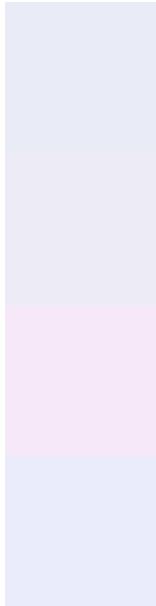
238.3420, 8.2050, 10.9970



Tritanopia

236.8670, -6.6950, 5.6970

Trichromacy



Original Color

236.3570, -5.3190, 2.7850

Protanomaly

236.5530, -2.9350, 3.6330

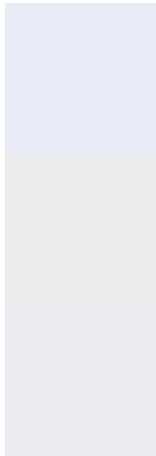
Deuteranomaly

238.0100, 3.2080, 7.9440

Tritanomaly

236.5250, -5.7320, 4.7640

Monochromacy



Original Color

236.3570, -5.3190, 2.7850

Achromatopsia

236.0000, 0.0000, -0.0000

Achromatomaly

236.1570, -1.8800, 1.0320

CSS Examples

Text

The CSS property to change the color of the text to YIQ 236.3570, -5.3190, 2.7850 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(233, 236, 247)` looks like.

```
.text, #text, p{  
    color:rgb(233, 236, 247)  
}
```

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(233, 236, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 236, 247) }
```

Border

The CSS property to change the border of an element to YIQ 236.3570, -5.3190, 2.7850 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(233, 236, 247) }
```


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

```
.border{ border-color:rgb(233, 236, 247) }
```

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

Here you see how a box with a 4 pixel rgb(233, 236, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 236, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 236, 247);  
box-shadow:4px 4px 4px 4px rgb(233, 236,  
247) }
```

Background

The CSS property to change the background color of an element to YIQ 236.3570, -5.3190, 2.7850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 236, 247) }
```

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

```
.background{ background-color: rgb(233,  
236, 247) }
```

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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