

Converting Colors

YIQ(236.7980, -2.2470, 2.1770)

Have a look what the booklet for
YIQ(236.7980, -2.2470, 2.1770)
contains.

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Color

**YIQ(236.7980, -2.2470,
2.1770)**

Conversions

Conversions Part 1

Format	Color
Hex	ECECF3
RGB	236, 236, 243
RGB Percent	93%, 93%, 95%
CMY	0.0745, 0.0745, 0.0471
CMYK	0.03, 0.03, 0.00, 0.05
HSL	240°, 23%, 94%
HSV	240°, 3%, 95%
XYZ	80.7650, 84.2948, 96.8049
YIQ	236.7980, -2.2470, 2.1770

Conversions

Conversions Part 2

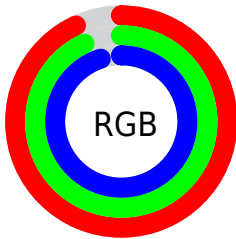
Format	Color
R _Y B	236, 236, 243
Decimal	15527155
CIE Lab	93.58, 1.26, -3.38
CIE LCh	94, 3.613, 290.487
Yxy	84.2948, 0.3084, 0.3219
Android (android.graphics.Color)	4293717235 (0xFFECECF3)
YUV	236.7980, 3.0576, -0.6998
Hunter-Lab	91.8122, -3.6492, 1.7544

Details

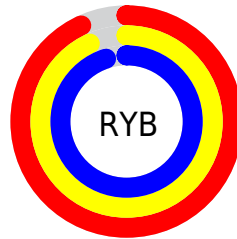
The YIQ color $236.7980, -2.2470, 2.1770$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $242.2020, 2.2470, -2.1770$, and the grayscale version is $237.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $255.0000, -0.0000, -0.0000$, and $180.7980, -2.2470, 2.1770$ is the 20% darker color. If you saturate the color by 10%, you get $215.5340, -9.9510, 9.6410$, and if you desaturate by 10%, it is $253.6320, 3.8520, -3.7320$.

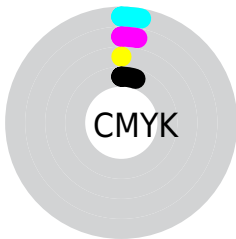
Distribution



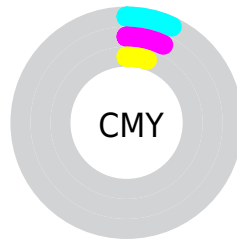
- Red (93%)
- Green (93%)
- Blue (95%)



- Red (93%)
- Yellow (93%)
- Blue (95%)



- Cyan (3%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (7%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 236.7980, -2.2470, 2.1770 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 236.7980, -2.2470, 2.1770 by changing the saturation by 10% instead.

■ 236.7980, -2.2470,
2.1770

■ 236.7980, -2.2470,
2.1770

255.0000, -0.0000,
-0.0000

■ 208.7980, -2.2470,
2.1770

■ 180.7980, -2.2470,
2.1770

■ 153.7980, -2.2470,
2.1770

■ 128.6840, -1.9260,
1.8660

■ 103.3850, -2.5220,
1.6540

■ 79.2710, -2.2010,
1.3430

■ 56.5700, -1.6050,

1.5550

■ 34.5700, -1.6050,
1.5550

■ 12.7980, -2.2470,
2.1770

■ 236.7980, -2.2470,
2.1770

■ 236.7980, -2.2470,
2.1770

■ 215.5340, -9.9510,
9.6410

■ 253.6320, 3.8520,
-3.7320

■ 193.3840,
-17.9760, 17.4160

■ 172.1200,
-25.6800, 24.8800

■ 150.8560,
-33.3840, 32.3440

■ 129.5920,
-41.0880, 39.8080

■ 107.4420,
-49.1130, 47.5830

■ 86.1780, -56.8170,
55.0470

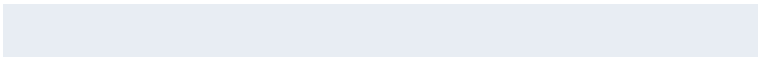
■ 64.9140, -64.5210,
62.5110

■ 42.7640, -72.5460,
70.2860

Harmonies

Analogous

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



236.1890, -4.9060, 0.8060



236.7980, -2.2470, 2.1770



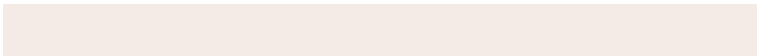
237.1790, 1.0540, 2.9260

Triad

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



236.7980, -2.2470, 2.1770



237.2350, 6.6480, 0.6640



235.8530, -4.0800, -3.1520

Complementary

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



236.7980, -2.2470, 2.1770



242.2020, 2.2470, -2.1770

Split Complementary

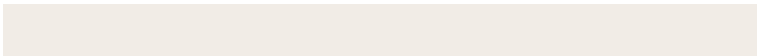
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



235.8210, -1.0540, -2.9260



236.7980, -2.2470, 2.1770



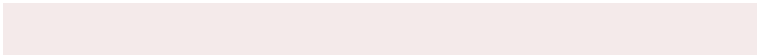
236.8110, 4.9060, -0.8060

Square

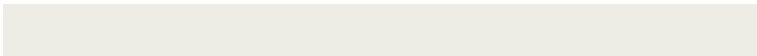
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



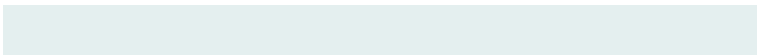
236.7980, -2.2470, 2.1770



236.9900, 5.9600, 2.1200



236.2020, 2.2470, -2.1770



235.7110, -6.5560, -2.3320

Rectangle

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



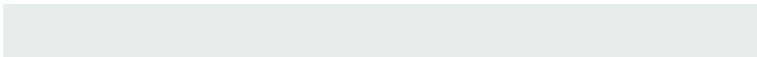
236.7980, -2.2470, 2.1770



237.5490, 2.8880, 2.7280



236.2020, 2.2470, -2.1770



235.4510, -2.8880, -2.7280

Sweetspot

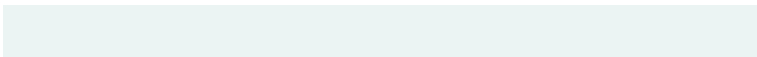
The Sweet Spot groups the original color and five complimentary colors.



236.7980, -2.2470, 2.1770



252.3420, -0.9630, 0.9330



240.9070, -4.1720, -1.4840



126.2280, -0.6420, 0.6220



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.



236.7980, -2.2470, 2.1770



247.9120, -2.5680, 2.4880



237.6950, -0.4590, 2.8130



118.4560, -1.2840, 1.2440



21.2040, -59.7060, 57.8460



6.7260, -18.9390, 18.3490

Inverse Universe

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



238.0930, 4.1720, 1.4840



249.3920, 4.7680, 1.6960



241.3050, 0.4590, -2.8130



119.1960, 2.3840, 0.8480



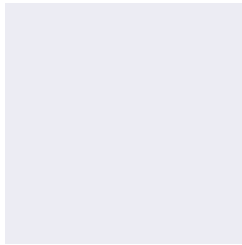
55.6140, 110.8560, 39.4320



17.6410, 35.1640, 12.5080

Previews

White Background



This preview shows how the YIQ color 236.7980, -2.2470, 2.1770 looks on a white background.

Color Contrast Check

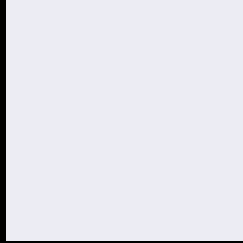
Large Text (above 18pt) WCAG AA × Fail

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 236.7980, -2.2470, 2.1770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

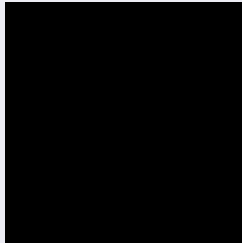
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

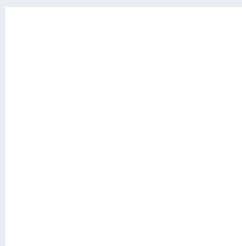
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 236.7980, -2.2470, 2.1770

Background



This preview shows how black text looks on a background with the YIQ color 236.7980, -2.2470, 2.1770.



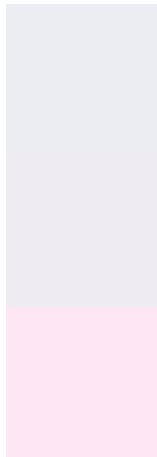
This preview shows how white text looks on a background with the YIQ color 236.7980, -2.2470,

2.1770.

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

236.7980, -2.2470, 2.1770

Protanopia

237.1080, -0.1840, 3.3360

Deuteranopia

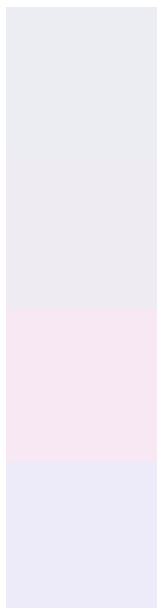
239.0710, 10.4060, 9.6540



Tritanopia

237.3620, -3.7150, 6.7570

Trichromacy



Original Color

236.7980, -2.2470, 2.1770

Protanomaly

236.8090, -0.7800, 3.1240

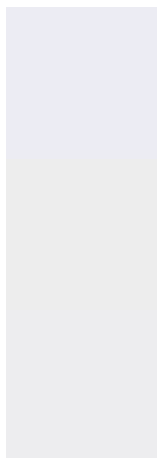
Deuteranomaly

238.1520, 5.6840, 7.1240

Tritanomaly

237.1940, -3.3020, 4.7780

Monochromacy



Original Color

236.7980, -2.2470, 2.1770

Achromatopsia

237.0000, -0.0000, -0.0000

Achromatomaly

237.2280, -0.6420, 0.6220

CSS Examples

Text

The CSS property to change the color of the text to YIQ 236.7980, -2.2470, 2.1770 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(236, 236, 243)` looks like.

```
.text, #text, p{  
    color:rgb(236, 236, 243)  
}
```

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(236, 236, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 236, 243) }
```

Border

The CSS property to change the border of an element to YIQ 236.7980, -2.2470, 2.1770 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(236, 236, 243) }
```


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

```
.border{ border-color:rgb(236, 236, 243) }
```

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

Here you see how a box with a 4 pixel rgb(236, 236, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 236, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 236, 243);  
box-shadow:4px 4px 4px 4px rgb(236, 236,  
243) }
```

Background

The CSS property to change the background color of an element to YIQ 236.7980, -2.2470, 2.1770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 236, 243) }
```

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

```
.background{ background-color: rgb(236,  
236, 243) }
```

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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