

Converting Colors

YIQ(228.9680, 3.0260, 0.2260)

Have a look what the booklet for
YIQ(228.9680, 3.0260, 0.2260)
contains.

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Color

**YIQ(228.9680, 3.0260,
0.2260)**

Conversions

Conversions Part 1

Format	Color
Hex	E8E4E2
RGB	232, 228, 226
RGB Percent	91%, 89%, 89%
CMY	0.0902, 0.1059, 0.1137
CMYK	0.00, 0.02, 0.03, 0.09
HSL	20°, 12%, 90%
HSV	20°, 3%, 91%
XYZ	74.7503, 78.1332, 83.0954
YIQ	228.9680, 3.0260, 0.2260

Conversions

Conversions Part 2

Format	Color
RYB	232, 229, 226
Decimal	15262946
CIELab	90.84, 1.00, 1.44
CIElCh	91, 1.755, 55.085
Yxy	78.1332, 0.3168, 0.3311
Android (android.graphics.Color)	4293453026 (0xFFE8E4E2)
YUV	228.9680, -1.4632, 2.6591
Hunter-Lab	88.3930, -3.7377, 6.1384

Details

The YIQ color $228.9680, 3.0260, 0.2260$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $229.0320, -3.0260, -0.2260$, 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 $173.6690, 2.4300, 0.0140$ is the 20% darker color. If you saturate the color by 10%, you get $217.5410, 14.5340, 0.9180$, and if you desaturate by 10%, it is $240.3950, -8.4820, -0.4660$.

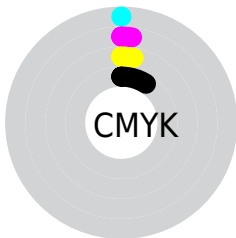
Distribution



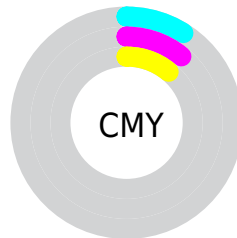
- Red (91%)
- Green (89%)
- Blue (89%)



- Red (91%)
- Yellow (90%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (9%)



- Cyan (9%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 228.9680, 3.0260, 0.2260 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 228.9680, 3.0260, 0.2260 by changing the saturation by 10% instead.

■ 228.9680, 3.0260,
0.2260

■ 228.9680, 3.0260,
0.2260

255.0000, -0.0000,
-0.0000

■ 200.9680, 3.0260,
0.2260

■ 173.6690, 2.4300,
0.0140

■ 146.9680, 3.0260,
0.2260

■ 121.0820, 2.7050,
0.5370

■ 96.6690, 2.4300,
0.0140

■ 72.6690, 2.4300,
0.0140

■ 50.6690, 2.4300,

0.0140

■ 29.3700, 1.8340,
-0.1980

■ 3.2670, 3.6220,
0.4380

■ 228.9680, 3.0260,
0.2260

■ 228.9680, 3.0260,
0.2260

■ 217.5410, 14.5340,
0.9180

■ 240.3950, -8.4820,
-0.4660

■ 205.5270, 26.3170,
2.1330

■ 248.1230,
-13.7080, -4.8760

■ 193.9860, 38.1460,
2.5140

■ 181.9720, 49.9290,
3.7290

■ 170.5450, 61.4370,
4.4210

■ 158.5310, 73.2200,
5.6360

■ 147.1040, 84.7280,
6.3280

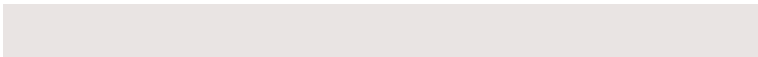
■ 134.9760, 96.8320,
7.2320

■ 123.5490,
108.3400, 7.9240

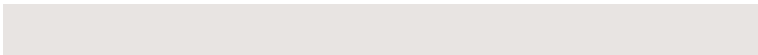
Harmonies

Analogous

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



229.3810, 3.3010, 0.7490



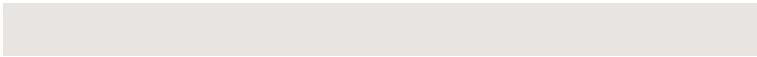
228.9680, 3.0260, 0.2260



229.1420, 2.4760, -0.8200

Triad

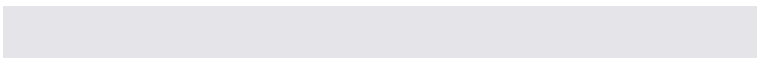
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228.9680, 3.0260, 0.2260



228.2770, -2.3380, -1.6820



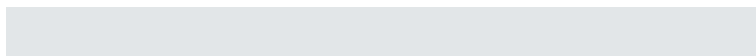
228.7550, -0.6880, 1.4560

Complementary

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



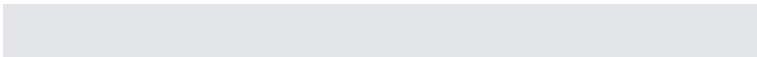
228.9680, 3.0260, 0.2260



229.0320, -3.0260, -0.2260

Split Complementary

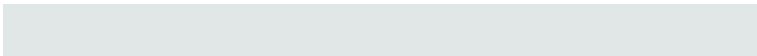
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



228.7440, -2.1550, 0.5090



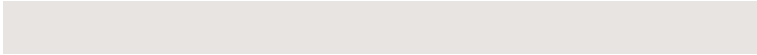
228.9680, 3.0260, 0.2260



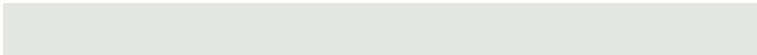
228.5050, -2.9800, -1.0600

Square

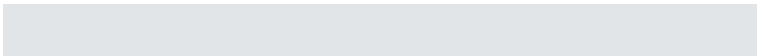
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



228.9680, 3.0260, 0.2260



228.7610, -0.8250, -1.5690



228.0320, -3.0260, -0.2260



229.2390, 0.8250, 1.5690

Rectangle

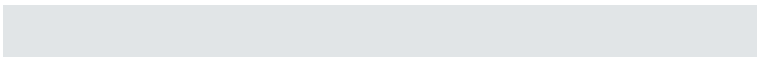
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



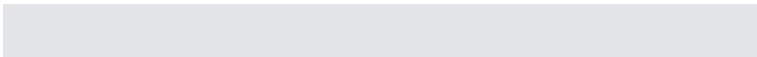
228.9680, 3.0260, 0.2260



228.5440, 1.2840, -1.2440



228.0320, -3.0260, -0.2260



229.0430, -1.5590, 0.7210

Sweetspot

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



228.9680, 3.0260, 0.2260



253.4840, 1.5130, 0.1130



228.2500, 2.2920, 2.5160



127.1850, 0.9170, -0.0990



0.0000, 0.0000, 0.0000



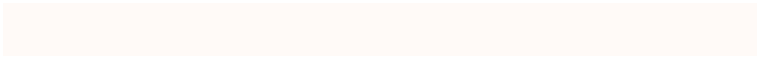
128.0000, -0.0000, -0.0000

Same Dimension

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



228.9680, 3.0260, 0.2260



251.1530, 3.9430, 0.1270



230.7290, 2.2010, -1.3430



112.6690, 2.4300, 0.0140



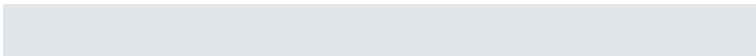
88.1540, 90.4590, 7.0910



25.2280, 25.7210, 1.9210

Inverse Universe

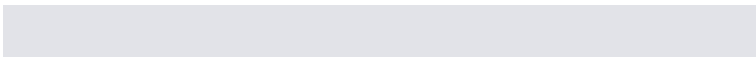
The Inverse Universe completely reimagines the original color for something new.



229.0320, -3.0260, -0.2260



250.8470, -3.9430, -0.1270



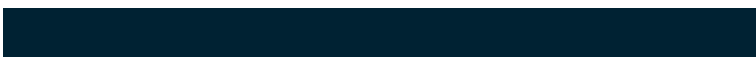
227.2710, -2.2010, 1.3430



112.3310, -2.4300, -0.0140



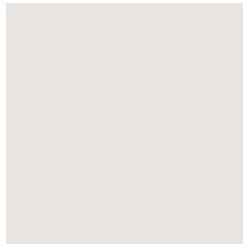
90.2590, -90.1840, -6.5680



25.7720, -25.7210, -1.9210

Previews

White Background



This preview shows how the YIQ color 228.9680, 3.0260, 0.2260 looks on a white background.

Color Contrast Check

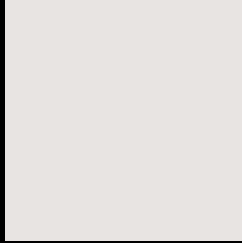
Large Text (above 18pt) WCAG AA × Fail

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 228.9680, 3.0260, 0.2260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

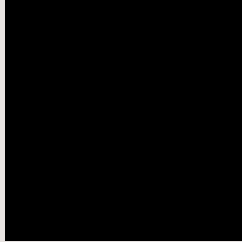
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

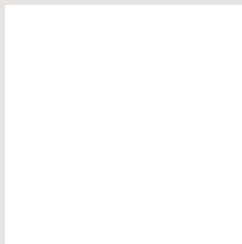
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 228.9680, 3.0260, 0.2260

Background



This preview shows how black text looks on a background with the YIQ color 228.9680, 3.0260, 0.2260.



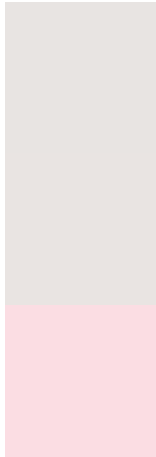
This preview shows how white text looks on a background with the YIQ color 228.9680, 3.0260,

0.2260.

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

228.9680, 3.0260, 0.2260

Protanopia

229.2670, 3.6220, 0.4380

Deuteranopia

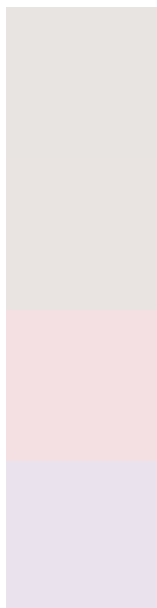
230.6540, 15.9540, 8.2260



Tritanopia

230.0420, 0.1820, 7.7180

Trichromacy



Original Color

228.9680, 3.0260, 0.2260

Protanomaly

229.2670, 3.6220, 0.4380

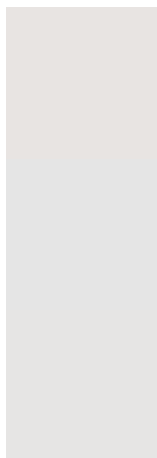
Deuteranomaly

230.3220, 10.9570, 5.1730

Tritanomaly

229.6460, 1.2370, 5.1170

Monochromacy



Original Color

228.9680, 3.0260, 0.2260

Achromatopsia

229.0000, -0.0000, -0.0000

Achromatomaly

229.1850, 0.9170, -0.0990

CSS Examples

Text

The CSS property to change the color of the text to YIQ 228.9680, 3.0260, 0.2260 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(232, 228, 226)` looks like.

```
.text, #text, p{  
    color:rgb(232, 228, 226)  
}
```

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(232, 228, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 228, 226) }
```

Border

The CSS property to change the border of an element to YIQ 228.9680, 3.0260, 0.2260 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(232, 228, 226) }
```


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

```
.border{ border-color:rgb(232, 228, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 228, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 228, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 228, 226);  
box-shadow:4px 4px 4px 4px rgb(232, 228,  
226) }
```

Background

The CSS property to change the background color of an element to YIQ 228.9680, 3.0260, 0.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 228, 226) }
```

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

```
.background{ background-color: rgb(232,  
228, 226) }
```

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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