

Converting Colors

YIQ(228.9970, 21.2770,
-16.6670)

Have a look what the booklet for
YIQ(228.9970, 21.2770, -16.6670)
contains.

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Color

**YIQ(228.9970, 21.2770,
-16.6670)**

Conversions

Conversions Part 1

Format	Color
Hex	EFEAB1
RGB	239, 234, 177
RGB Percent	94%, 92%, 69%
CMY	0.0628, 0.0823, 0.3057
CMYK	0.00, 0.02, 0.26, 0.06
HSL	55°, 66%, 82%
HSV	55°, 26%, 94%
XYZ	72.9558, 80.3697, 53.2798
YIQ	228.9970, 21.2770, -16.6670

Conversions

Conversions Part 2

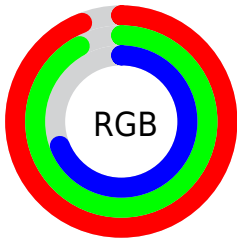
Format	Color
RYB	182, 239, 177
Decimal	15723185
CIELab	91.85, -7.07, 28.35
CIELCh	92, 29.215, 104.007
Yxy	80.3697, 0.3531, 0.3890
Android (android.graphics.Color)	4293913265 (0xFFEFEAB1)
YUV	228.9970, -25.6345, 8.7726
Hunter-Lab	89.6491, -11.6239, 27.5175

Details

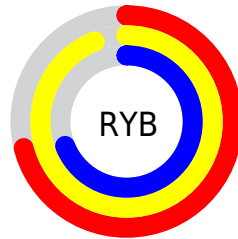
The YIQ color $228.9970, 21.2770, -16.6670$ is a light color, and the websafe version is hex $FFFFCC$. A complement of this color would be $187.0030, -21.2770, 16.6670$, and the grayscale version is $229.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $252.4920, 7.0620, -6.8420$, and $173.0400, 19.7180, -15.9460$ is the 20% darker color. If you saturate the color by 10%, you get $225.0870, 29.5310, -23.0850$, and if you desaturate by 10%, it is $232.9070, 13.0230, -10.2490$.

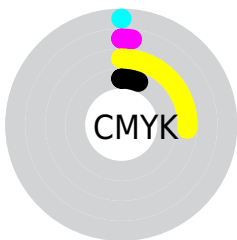
Distribution



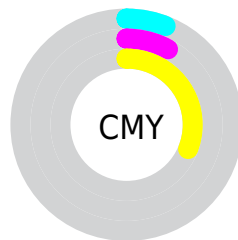
- Red (94%)
- Green (92%)
- Blue (69%)



- Red (71%)
- Yellow (94%)
- Blue (69%)



- Cyan (0%)
- Magenta (2%)
- Yellow (26%)
- Black (6%)



- Cyan (6%)
- Magenta (8%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 228.9970, 21.2770, -16.6670 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 228.9970, 21.2770, -16.6670 by changing the saturation by 10% instead.

■ 228.9970, 21.2770,
-16.6670

■ 228.9970, 21.2770,
-16.6670

255.0000, -0.0000,
-0.0000

■ 200.8120, 20.3600,
-16.5680

■ 252.4920, 7.0620,
-6.8420

■ 173.0400, 19.7180,
-15.9460

■ 146.8550, 18.8010,
-15.8470

■ 120.9690, 18.4800,
-15.5360

■ 95.8980, 17.2420,
-15.1260

■ 71.7130, 16.3250,
-15.0270

■ 48.4140, 15.7290,

-15.2390

■ 28.9390, 9.9970,
-10.4750

■ 7.0440, -3.3000,
-6.2760

■ 228.9970, 21.2770,
-16.6670

■ 228.9970, 21.2770,
-16.6670

■ 225.0870, 29.5310,
-23.0850

■ 232.9070, 13.0230,
-10.2490

■ 221.1770, 37.7850,
-29.5030

■ 236.8170, 4.7690,
-3.8310

■ 217.2670, 46.0390,
-35.9210

■ 240.7270, -3.4850,
2.5870

■ 213.3570, 54.2930,
-42.3390

■ 242.5850, -5.9610,
3.4070

■ 209.5610, 62.2260,
-48.4460

■ 243.7590, -6.5110,
2.3610

■ 205.6510, 70.4800,
-54.8640

■ 244.9330, -7.0610,
1.3150

■ 202.3280, 78.4590,
-61.8050

■ 245.5200, -7.3360,
0.7920

■ 200.6010, 81.9440,
-64.3920

■ 246.6940, -7.8860,
-0.2540

■ 247.8680, -8.4360,
-1.3000

Harmonies

Analogous

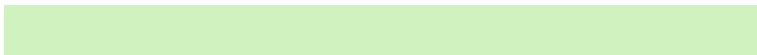
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



228.6120, 32.9670, -8.2570



228.9970, 21.2770, -16.6670



225.7210, -4.4890, -23.2810

Triad

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



228.9970, 21.2770, -16.6670



218.9310, -57.4460, -16.1820



229.5480, 13.7970, 19.7890

Complementary

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



228.9970, 21.2770, -16.6670



187.0030, -21.2770, 16.6670

Split Complementary

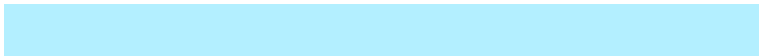
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



233.5580, 7.8370, 17.6690



228.9970, 21.2770, -16.6670



222.8840, -40.8960, -7.7440

Square

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



228.9970, 21.2770, -16.6670



219.7370, -54.1440, -20.9600



228.6640, -16.3690, 4.8070



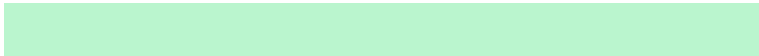
225.6550, 23.3810, 11.2930

Rectangle

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



228.9970, 21.2770, -16.6670



222.9130, -22.6450, -24.6370



228.6640, -16.3690, 4.8070



231.5200, 11.0000, 20.9200

Sweetspot

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



228.9970, 21.2770, -16.6670



251.5460, 6.9700, -5.1740



196.1080, 35.3470, 14.6990



125.3440, 4.7230, -2.9970



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

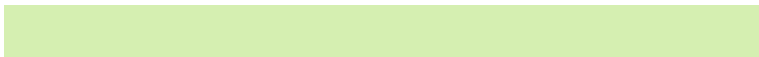
The Same Dimension uses a secret algorithm to generate beautiful new colors.



228.9970, 21.2770, -16.6670



242.4720, 27.0090, -21.4310



224.1580, 4.4060, -24.7940



118.0450, 4.1270, -3.2090



154.2190, 63.1890, -49.3790



47.2680, 19.0760, -15.3240

Inverse Universe

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



187.0030, -21.2770, 16.6670



188.5280, -27.0090, 21.4310



191.8420, -4.4060, 24.7940



109.9550, -4.1270, 3.2090



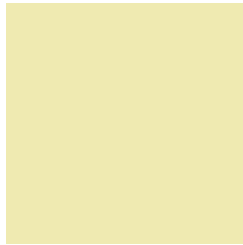
29.7810, -63.1890, 49.3790



9.3190, -19.3510, 14.8010

Previews

White Background



This preview shows how the YIQ color 228.9970, 21.2770, -16.6670 looks on a white background.

Color Contrast Check

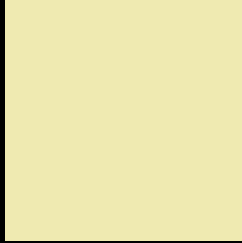
Large Text (above 18pt) WCAG AA × Fail

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 228.9970, 21.2770, -16.6670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

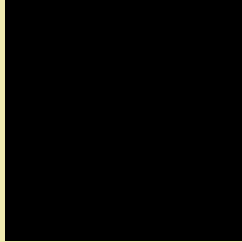
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 228.9970, 21.2770, -16.6670

Background



This preview shows how black text looks on a background with the YIQ color 228.9970, 21.2770, -16.6670.



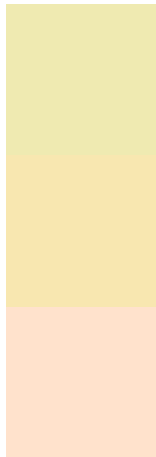
This preview shows how white text looks on a background with the YIQ color 228.9970, 21.2770, -16.6670.

-16.6670.

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

228.9970, 21.2770, -16.6670

Protanopia

229.8130, 27.7870, -13.5010

Deuteranopia

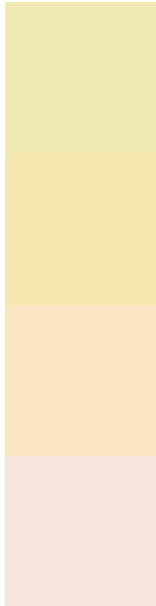
232.1630, 24.3460, -0.6940



Tritanopia

233.6300, 7.3340, 10.2620

Trichromacy



Original Color

228.9970, 21.2770, -16.6670

Protanomaly

229.5030, 25.7240, -14.6600

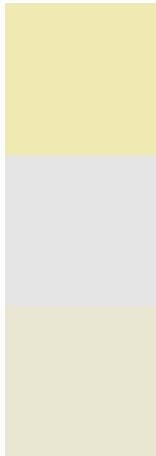
Deuteranomaly

230.9900, 23.1550, -6.6450

Tritanomaly

231.7580, 12.4250, 0.5930

Monochromacy



Original Color

228.9970, 21.2770, -16.6670

Achromatopsia

229.0000, -0.0000, -0.0000

Achromatomaly

229.2040, 7.9330, -6.1070

CSS Examples

Text

The CSS property to change the color of the text to YIQ 228.9970, 21.2770, -16.6670 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(239, 234, 177)` looks like.

```
.text, #text, p{  
    color:rgb(239, 234, 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(239, 234, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 234, 177) }
```

Border

The CSS property to change the border of an element to YIQ 228.9970, 21.2770, -16.6670 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(239, 234, 177) }
```


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

```
.border{ border-color:rgb(239, 234, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 234, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 234, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 234, 177);  
box-shadow:4px 4px 4px 4px rgb(239, 234,  
177) }
```

Background

The CSS property to change the background color of an element to YIQ 228.9970, 21.2770, -16.6670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 234, 177) }
```

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

```
.background{ background-color: rgb(239,  
234, 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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