

Converting Colors

YIQ(237.2690, -7.8870, 5.2730)

Have a look what the booklet for
YIQ(237.2690, -7.8870, 5.2730)
contains.

YIQ(237.2690, -7.8870, 5.2730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(237.2690, -7.8870,
5.2730)**

Conversions

Conversions Part 1

Format	Color
Hex	E9ECFF
RGB	233, 236, 255
RGB Percent	91%, 93%, 100%
CMY	0.0863, 0.0745, 0.0000
CMYK	0.09, 0.07, 0.00, 0.00
HSL	232°, 100%, 96%
HSV	232°, 9%, 100%
XYZ	81.6486, 84.5347, 106.6113
YIQ	237.2690, -7.8870, 5.2730

Conversions

Conversions Part 2

Format	Color
R _Y B	233, 236, 255
Decimal	15330559
CIE Lab	93.68, 2.54, -9.49
CIE LCh	94, 9.825, 284.969
Yxy	84.5347, 0.2993, 0.3099
Android (android.graphics.Color)	4293520639 (0xFFE9ECFF)
YUV	237.2690, 8.7414, -3.7439
Hunter-Lab	91.9428, -2.3852, -4.3892

Details

The YIQ color $237.2690, -7.8870, 5.2730$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $250.7310, 7.8870, -5.2730$, 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 $181.1550, -7.5660, 4.9620$ is the 20% darker color. If you saturate the color by 10%, you get $216.8800, -16.7370, 11.4790$, and if you desaturate by 10%, it is $255.0000, -0.0000, -0.0000$.

Distribution



- Red (91%)
- Green (93%)
- Blue (100%)



- Red (91%)
- Yellow (93%)
- Blue (100%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 237.2690, -7.8870, 5.2730 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 237.2690, -7.8870, 5.2730 by changing the saturation by 10% instead.

■ 237.2690, -7.8870,
5.2730

■ 237.2690, -7.8870,
5.2730

255.0000, -0.0000,
-0.0000

■ 209.1550, -7.5660,
4.9620

■ 181.1550, -7.5660,
4.9620

■ 154.4540, -6.9700,
5.1740

■ 128.9270, -6.9240,
4.3400

■ 103.9270, -6.9240,
4.3400

■ 79.8130, -6.6030,
4.0290

■ 56.6990, -6.2820,

3.7180

■ 34.6990, -6.2820,
3.7180

■ 12.8130, -6.6030,
4.0290

■ 237.2690, -7.8870,
5.2730

■ 237.2690, -7.8870,
5.2730

■ 216.8800,
-16.7370, 11.4790

255.0000, -0.0000,
-0.0000

■ 196.1920,
-26.1830, 17.4730

■ 175.8030,
-35.0330, 23.6790

■ 155.1150,
-44.4790, 29.6730

■ 134.7260,
-53.3290, 35.8790

■ 114.0380,
-62.7750, 41.8730

■ 93.6490, -71.6250,
48.0790

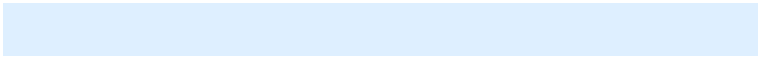
■ 72.9610, -81.0710,
54.0730

■ 52.5720, -89.9210,
60.2790

Harmonies

Analogous

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



235.7410, -15.2680, 1.3720



237.2690, -7.8870, 5.2730



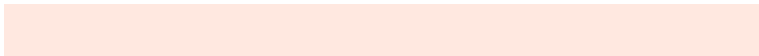
238.5260, 1.6950, 7.8310

Triad

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



237.2690, -7.8870, 5.2730



237.9650, 16.2760, 2.3880



233.9830, -10.4980, -7.9860

Complementary

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



237.2690, -7.8870, 5.2730



250.7310, 7.8870, -5.2730

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.



234.7730, -1.0990, -7.6190



237.2690, -7.8870, 5.2730



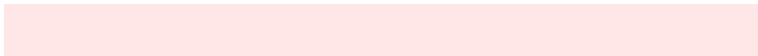
237.6610, 14.0760, -1.7960

Square

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



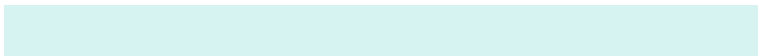
237.2690, -7.8870, 5.2730



238.2900, 13.9830, 5.3990



236.4320, 7.2910, -5.4850



234.1010, -16.6420, -6.7700

Rectangle

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



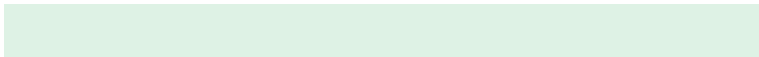
237.2690, -7.8870, 5.2730



239.1630, 7.1510, 8.0710



236.4320, 7.2910, -5.4850



234.5380, -7.7470, -8.2830

Sweetspot

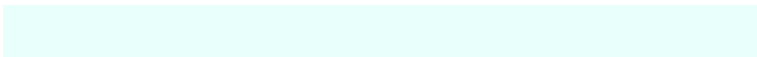
The Sweet Spot groups the original color and five complimentary colors.



237.2690, -7.8870, 5.2730



248.4990, -2.8430, 1.9650



248.0800, -12.1490, -5.5970



123.2710, -2.2010, 1.3430



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.



237.2690, -7.8870, 5.2730



234.6110, -8.8500, 6.2060



237.9000, -2.2940, 8.5380



117.0690, -4.4480, 3.5200



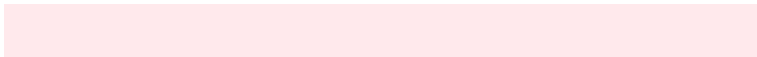
37.0360, -68.4610, 45.8030



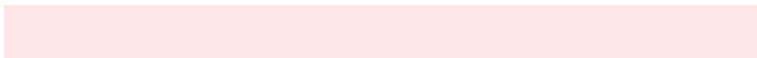
12.5790, -23.0190, 15.1970

Inverse Universe

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



239.9200, 12.1490, 5.5970



237.8170, 13.9370, 6.2330



250.1000, 2.2940, -8.5380



119.0010, 7.4270, 3.0670



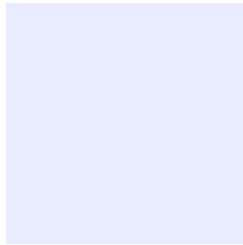
60.0730, 105.4900, 48.5780



20.1620, 35.2550, 16.3670

Previews

White Background



This preview shows how the YIQ color 237.2690, -7.8870, 5.2730 looks on a white background.

Color Contrast Check

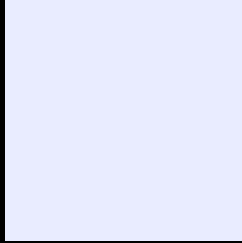
Large Text (above 18pt) WCAG AA × Fail

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 237.2690, -7.8870, 5.2730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

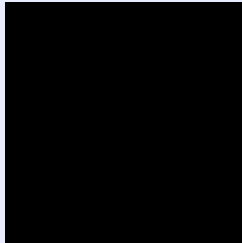
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 237.2690, -7.8870, 5.2730

Background



This preview shows how black text looks on a background with the YIQ color 237.2690, -7.8870, 5.2730.



This preview shows how white text looks on a background with the YIQ color 237.2690, -7.8870,

5.2730.

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

237.2690, -7.8870, 5.2730

Protanopia

237.4650, -5.5030, 6.1210

Deuteranopia

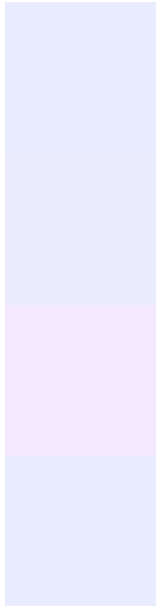
238.8300, 3.8950, 12.0150



Tritanopia

237.2690, -7.8870, 5.2730

Trichromacy



Original Color

237.2690, -7.8870, 5.2730

Protanomaly

237.1660, -6.0990, 5.9090

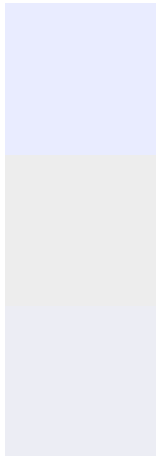
Deuteranomaly

238.2100, -0.2310, 9.6970

Tritanomaly

237.2690, -7.8870, 5.2730

Monochromacy



Original Color

237.2690, -7.8870, 5.2730

Achromatopsia

237.0000, -0.0000, -0.0000

Achromatomaly

237.4990, -2.8430, 1.9650

CSS Examples

Text

The CSS property to change the color of the text to YIQ 237.2690, -7.8870, 5.2730 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 236, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 236, 255) }
```

Border

The CSS property to change the border of an element to YIQ 237.2690, -7.8870, 5.2730 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, 255) }
```


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

```
.border{ border-color:rgb(233, 236, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 236,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 237.2690, -7.8870, 5.2730 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, 255) }
```

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

```
.background{ background-color: rgb(233,  
236, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor