

Converting Colors

YIQ(237.6820, -16.7800,
-4.2680)

Have a look what the booklet for
YIQ(237.6820, -16.7800, -4.2680)
contains.

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Color

**YIQ(237.6820, -16.7800,
-4.2680)**

Conversions

Conversions Part 1

Format	Color
Hex	DBF5F9
RGB	219, 245, 249
RGB Percent	86%, 96%, 98%
CMY	0.1412, 0.0392, 0.0236
CMYK	0.12, 0.02, 0.00, 0.02
HSL	188°, 71%, 92%
HSV	188°, 12%, 98%
XYZ	78.9607, 87.2076, 102.2791
YIQ	237.6820, -16.7800, -4.2680

Conversions

Conversions Part 2

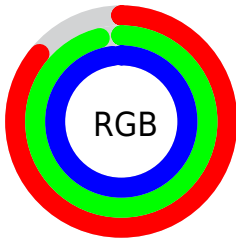
Format	Color
R _{YB}	219, 233, 249
Decimal	14415353
CIE Lab	94.83, -7.67, -4.79
CIE LCh	95, 9.042, 212.005
Yxy	87.2076, 0.2941, 0.3249
Android (android.graphics.Color)	4292605433 (0xFFDBF5F9)
YUV	237.6820, 5.5798, -16.3841
Hunter-Lab	93.3850, -12.4950, 0.4327

Details

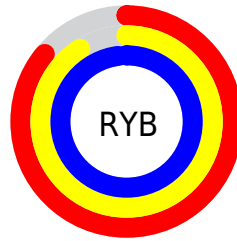
The YIQ color $237.6820, -16.7800, -4.2680$ is a light color, and the websafe version is hex $CCFFFF$. A complement of this color would be $230.3180, 16.7800, 4.2680$, and the grayscale version is $238.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $255.0000, -0.0000, -0.0000$, and $181.9810, -16.1840, -4.0560$ is the 20% darker color. If you saturate the color by 10%, you get $228.4460, -30.8550, -7.9990$, and if you desaturate by 10%, it is $246.9180, -2.7050, -0.5370$.

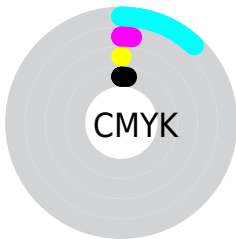
Distribution



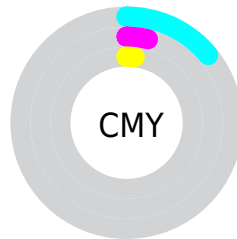
- Red (86%)
- Green (96%)
- Blue (98%)



- Red (86%)
- Yellow (91%)
- Blue (98%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (14%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 237.6820, -16.7800, -4.2680 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 237.6820, -16.7800, -4.2680 by changing the saturation by 10% instead.

■ 237.6820,
-16.7800, -4.2680

■ 237.6820,
-16.7800, -4.2680

255.0000, -0.0000,
-0.0000

■ 209.5680,
-16.4590, -4.5790

■ 181.9810,
-16.1840, -4.0560

■ 154.8670,
-15.8630, -4.3670

■ 129.1660,
-15.2670, -4.1550

■ 103.5790,
-14.9920, -3.6320

■ 79.4650, -14.6710,
-3.9430

■ 56.4650, -14.6710,

-3.9430

■ 34.7640, -14.0750,
-3.7310

■ 14.9490, -13.1580,
-3.8300

■ 237.6820,
-16.7800, -4.2680

■ 237.6820,
-16.7800, -4.2680

■ 228.4460,
-30.8550, -7.9990

■ 246.9180, -2.7050,
-0.5370

■ 218.6230,
-44.6550, -11.2070

■ 252.5550, 2.7510,
-0.2970

■ 209.3870,
-58.7300, -14.9380

■ 254.3160, 1.9260,
-1.8660

■ 200.1510,
-72.8050, -18.6690

■ 190.9150,
-86.8800, -22.4000

■ 181.3910,
-100.0840, -25.3960

■ 172.1550,
-114.1590, -29.1270

■ 162.9190,
-128.2340, -32.8580

■ 155.1780,
-139.3290, -35.5290

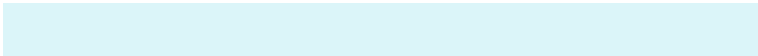
Harmonies

Analogous

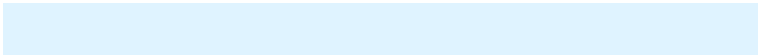
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



237.2540, -12.6990, -6.6430



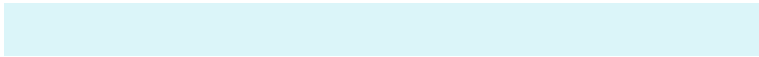
237.6820, -16.7800, -4.2680



238.3880, -15.7720, -0.5080

Triad

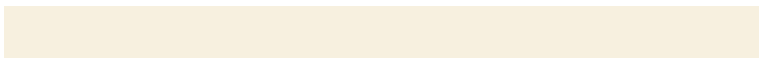
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



237.6820, -16.7800, -4.2680



241.5650, 5.9590, 7.6470



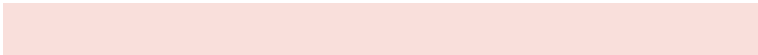
240.1550, 9.6290, -3.8030

Complementary

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



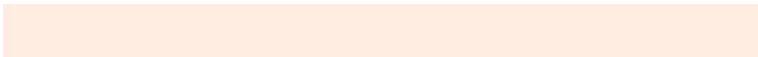
237.6820, -16.7800, -4.2680



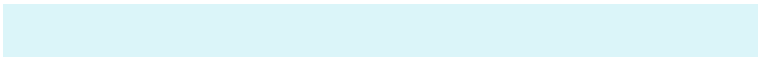
230.3180, 16.7800, 4.2680

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.



241.0140, 14.5800, 0.0840



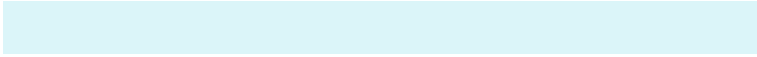
237.6820, -16.7800, -4.2680



240.9630, 10.5900, 6.3180

Square

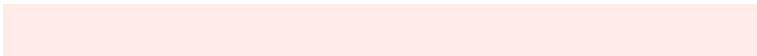
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



237.6820, -16.7800, -4.2680



241.4330, -2.4770, 6.3470



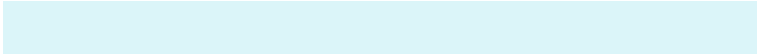
240.5240, 13.2040, 2.9960



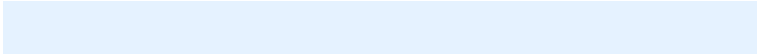
238.5670, 2.4770, -6.3470

Rectangle

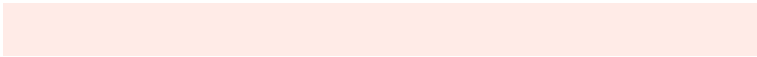
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



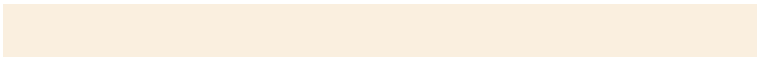
237.6820, -16.7800, -4.2680



239.5950, -11.9210, 1.2870



240.5240, 13.2040, 2.9960



240.4650, 11.6920, -2.6440

Sweetspot

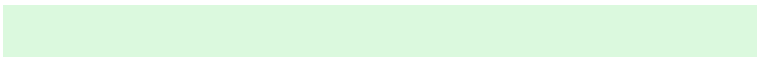
The Sweet Spot groups the original color and five complimentary colors.



237.6820, -16.7800, -4.2680



251.4230, -5.6850, -1.5970



236.9520, -9.2130, -14.7570



125.3200, -3.8970, -0.9610



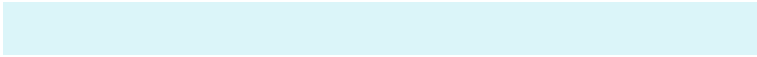
0.0000, 0.0000, 0.0000



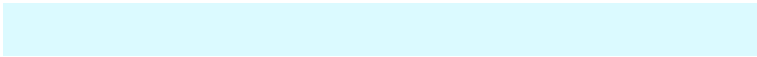
128.0000, -0.0000, -0.0000

Same Dimension

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



237.6820, -16.7800, -4.2680



241.3010, -20.0810, -5.0170



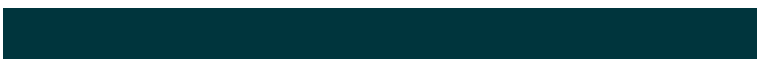
228.8770, -12.6550, 3.5770



119.9390, -7.1980, -1.7100



117.8140, -105.7690, -26.9930



38.0650, -34.1560, -8.7480

Inverse Universe

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



230.9340, 9.5340, 14.4460



233.2980, 11.5050, 17.2730



238.5360, 12.9300, -3.0540



117.1410, 4.2170, 6.1770



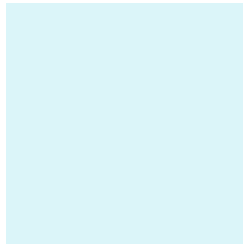
75.2070, 60.0000, 91.0720



24.2810, 19.3430, 29.4150

Previews

White Background



This preview shows how the YIQ color 237.6820, -16.7800, -4.2680 looks on a white background.

Color Contrast Check

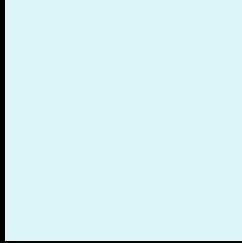
Large Text (above 18pt) WCAG AA × Fail

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 237.6820, -16.7800, -4.2680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

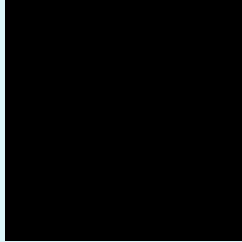
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 237.6820, -16.7800, -4.2680

Background



This preview shows how black text looks on a background with the YIQ color 237.6820, -16.7800, -4.2680.



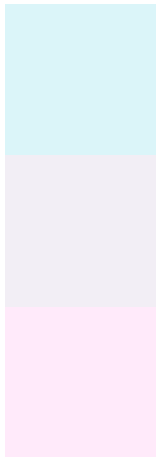
This preview shows how white text looks on a background with the YIQ color 237.6820, -16.7800,

-4.2680.

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

237.6820, -16.7800, -4.2680

Protanopia

239.9940, 0.1370, 3.0250

Deuteranopia

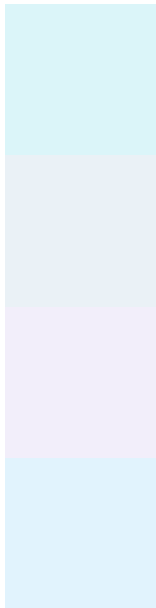
242.1030, 7.3800, 9.4280



Tritanopia

239.2960, -12.5170, 1.0750

Trichromacy



Original Color

237.6820, -16.7800, -4.2680

Protanomaly

239.4770, -5.7770, 0.0710

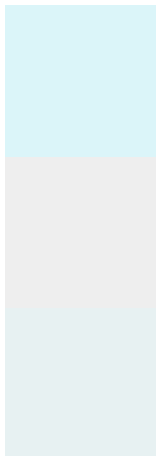
Deuteranomaly

240.5640, -1.4680, 4.5800

Tritanomaly

238.7580, -13.9380, -0.7060

Monochromacy



Original Color

237.6820, -16.7800, -4.2680

Achromatopsia

238.0000, -0.0000, 0.0000

Achromatomaly

238.1240, -6.2810, -1.8090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 237.6820, -16.7800, -4.2680 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(219, 245, 249)` looks like.

```
.text, #text, p{  
    color:rgb(219, 245, 249)  
}
```

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(219, 245, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 245, 249) }
```

Border

The CSS property to change the border of an element to YIQ 237.6820, -16.7800, -4.2680 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(219, 245, 249) }
```


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

```
.border{ border-color:rgb(219, 245, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 245, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 245, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 245, 249); box-shadow:4px 4px 4px 4px rgb(219, 245, 249) }
```

Background

The CSS property to change the background color of an element to YIQ 237.6820, -16.7800, -4.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 245, 249) }
```

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

```
.background{ background-color: rgb(219,  
245, 249) }
```

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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