

Converting Colors

YIQ(237.0990, 12.0620,
-20.3700)

Have a look what the booklet for
YIQ(237.0990, 12.0620, -20.3700)
contains.

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Color

**YIQ(237.0990, 12.0620,
-20.3700)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF7BD
RGB	236, 247, 189
RGB Percent	93%, 97%, 74%
CMY	0.0746, 0.0313, 0.2587
CMYK	0.04, 0.00, 0.23, 0.03
HSL	71°, 78%, 85%
HSV	71°, 23%, 97%
XYZ	77.0368, 88.0296, 61.0887
YIQ	237.0990, 12.0620, -20.3700

Conversions

Conversions Part 2

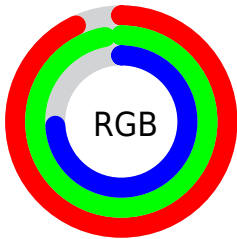
Format	Color
RYB	189, 247, 200
Decimal	15529917
CIELab	95.17, -13.01, 26.72
CIELCh	95, 29.724, 115.962
Yxy	88.0296, 0.3406, 0.3892
Android (android.graphics.Color)	4293719997 (0xFFECEF7BD)
YUV	237.0990, -23.7128, -0.9638
Hunter-Lab	93.8241, -17.6298, 27.0732

Details

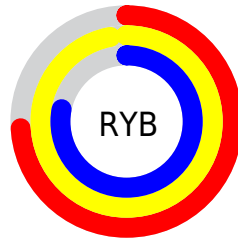
The YIQ color $237.0990, 12.0620, -20.3700$ is a light color, and the websafe version is hex $FFFCC$. A complement of this color would be $198.9010, -12.0620, 20.3700$, and the grayscale version is $237.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $253.9740, 2.8890, -2.7990$, and $181.3270, 11.4200, -19.7480$ is the 20% darker color. If you saturate the color by 10%, you get $232.7540, 17.1070, -29.2050$, and if you desaturate by 10%, it is $241.4440, 7.0170, -11.5350$.

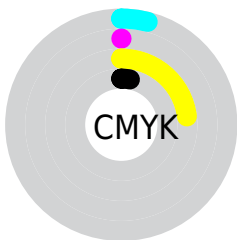
Distribution



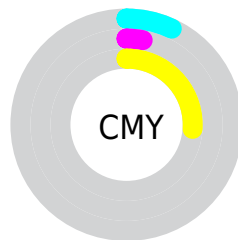
- Red (93%)
- Green (97%)
- Blue (74%)



- Red (74%)
- Yellow (97%)
- Blue (78%)



- Cyan (4%)
- Magenta (0%)
- Yellow (23%)
- Black (3%)





- Cyan (7%)
- Magenta (3%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 237.0990, 12.0620, -20.3700 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 237.0990, 12.0620, -20.3700 by changing the saturation by 10% instead.


 237.0990, 12.0620,
-20.3700


 237.0990, 12.0620,
-20.3700


255.0000, -0.0000,
-0.0000

 209.2130, 11.7410,
-20.0590


 253.9740, 2.8890,
-2.7990

 181.3270, 11.4200,
-19.7480

 154.5550, 10.7780,
-19.1260

 127.7830, 10.1360,
-18.5040

 102.8970, 9.8150,
-18.1930

 78.7120, 8.8980,
-18.0940

 55.2390, 8.8520,

-17.2600

■ 34.2220, 7.5220,
-15.1820

■ 13.5010, -6.3250,
-12.0290

■ 237.0990, 12.0620,
-20.3700

■ 237.0990, 12.0620,
-20.3700

■ 232.7540, 17.1070,
-29.2050

■ 241.4440, 7.0170,
-11.5350

■ 228.8220, 22.4270,
-37.5170

■ 245.3760, 1.6970,
-3.2230

■ 224.4770, 27.4720,
-46.3520

■ 248.8090, -0.7800,
3.1240

■ 220.1320, 32.5170,
-55.1870

■ 250.3040, 2.2000,
4.1840

■ 216.2000, 37.8370,
-63.4990

■ 211.8550, 42.8820,
-72.3340

■ 207.5100, 47.9270,
-81.1690

■ 204.7890, 51.2750,
-86.7810

Harmonies

Analogous

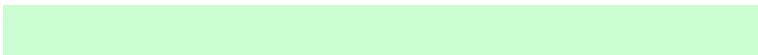
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



236.9270, 27.4660, -13.1900



237.0990, 12.0620, -20.3700



233.5070, -15.6300, -25.1180

Triad

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



237.0990, 12.0620, -20.3700



228.1120, -50.7060, -17.1860



234.0160, 12.2390, 14.9830

Complementary

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



237.0990, 12.0620, -20.3700



198.9010, -12.0620, 20.3700

Split Complementary

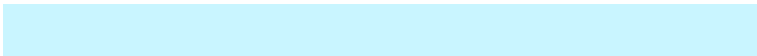
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



237.9770, 7.9750, 15.1670



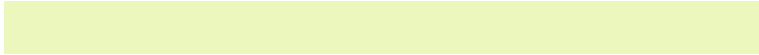
237.0990, 12.0620, -20.3700



232.9840, -29.4340, -6.2180

Square

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



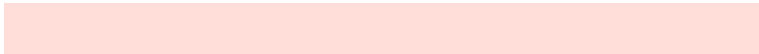
237.0990, 12.0620, -20.3700



226.2960, -57.2160, -20.3520



239.0740, -2.8440, 7.4920



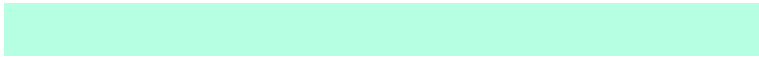
231.2970, 21.2730, 5.4410

Rectangle

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



237.0990, 12.0620, -20.3700



230.1660, -33.6030, -24.2830



239.0740, -2.8440, 7.4920



235.6290, 9.0750, 17.2590

Sweetspot

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



237.0990, 12.0620, -20.3700



252.0510, 3.9900, -6.2340



212.7990, 31.5430, 6.5430



126.1480, 2.3390, -3.8450



0.0000, 0.0000, 0.0000



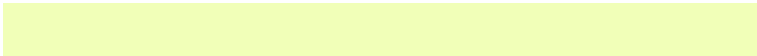
128.0000, -0.0000, -0.0000

Same Dimension

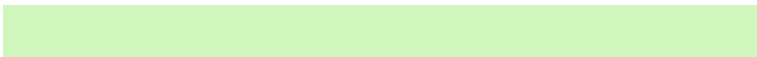
The Same Dimension uses a secret algorithm to generate beautiful new colors.



237.0990, 12.0620, -20.3700



242.7200, 14.4470, -25.0490



228.4280, -5.2220, -26.5180



120.0340, 2.6600, -4.1560



154.3310, 38.8460, -65.2660



48.6860, 11.7870, -20.8930

Inverse Universe

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



198.9010, -12.0620, 20.3700



195.9810, -15.0430, 24.8370



207.5720, 5.2220, 26.5180



111.9660, -2.6600, 4.1560



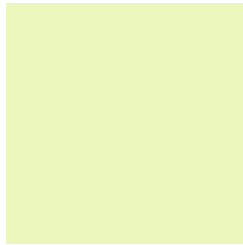
31.6690, -38.8460, 65.2660



10.0150, -12.3830, 20.6810

Previews

White Background



This preview shows how the YIQ color 237.0990, 12.0620, -20.3700 looks on a white background.

Color Contrast Check

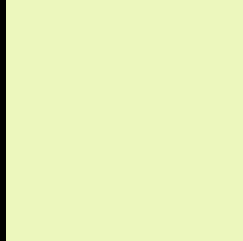
Large Text (above 18pt) WCAG AA × Fail

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 237.0990, 12.0620, -20.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

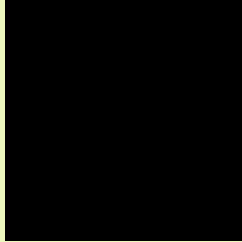
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

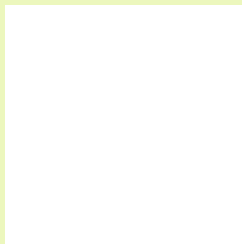
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 237.0990, 12.0620, -20.3700

Background



This preview shows how black text looks on a background with the YIQ color 237.0990, 12.0620, -20.3700.



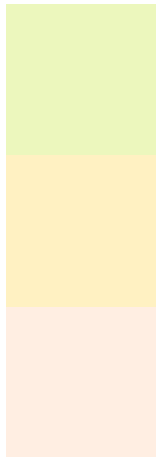
This preview shows how white text looks on a background with the YIQ color 237.0990, 12.0620, -20.3700.

-20.3700.

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

237.0990, 12.0620, -20.3700

Protanopia

239.8280, 23.4310, -11.6490

Deuteranopia

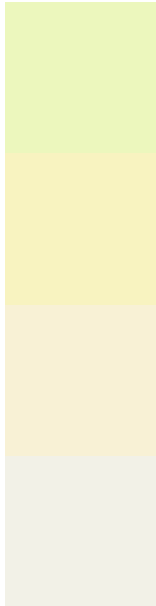
241.7150, 13.9840, -0.1280



Tritanopia

242.0310, -1.2850, 6.7710

Trichromacy



Original Color

237.0990, 12.0620, -20.3700

Protanomaly

238.6810, 19.3510, -14.8010

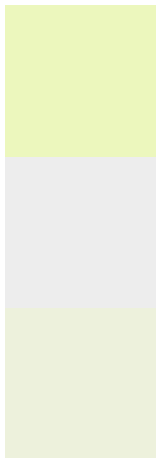
Deuteranomaly

239.9010, 13.1600, -7.2240

Tritanomaly

240.1590, 3.8060, -2.8980

Monochromacy



Original Color

237.0990, 12.0620, -20.3700

Achromatopsia

237.0000, -0.0000, -0.0000

Achromatomaly

237.4100, 4.3570, -7.3790

CSS Examples

Text

The CSS property to change the color of the text to YIQ 237.0990, 12.0620, -20.3700 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, 247, 189)` looks like.

```
.text, #text, p{  
    color:rgb(236, 247, 189)  
}
```

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, 247, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 247, 189) }
```

Border

The CSS property to change the border of an element to YIQ 237.0990, 12.0620, -20.3700 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, 247, 189) }
```


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

```
.border{ border-color:rgb(236, 247, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 247, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 247, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 247, 189);  
box-shadow:4px 4px 4px 4px rgb(236, 247,  
189) }
```

Background

The CSS property to change the background color of an element to YIQ 237.0990, 12.0620, -20.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 247, 189) }
```

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

```
.background{ background-color: rgb(236,  
247, 189) }
```

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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