

Converting Colors

YIQ(236.9630, 18.6170,
-12.5110)

Have a look what the booklet for
YIQ(236.9630, 18.6170, -12.5110)
contains.

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Color

**YIQ(236.9630, 18.6170,
-12.5110)**

Conversions

Conversions Part 1

Format	Color
Hex	F7F0C3
RGB	247, 240, 195
RGB Percent	97%, 94%, 76%
CMY	0.0314, 0.0588, 0.2352
CMYK	0.00, 0.03, 0.21, 0.03
HSL	52°, 76%, 87%
HSV	52°, 21%, 97%
XYZ	79.3694, 86.0334, 64.0691
YIQ	236.9630, 18.6170, -12.5110

Conversions

Conversions Part 2

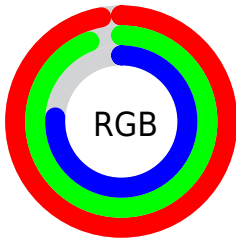
Format	Color
R_{YB}	203, 247, 195
Decimal	16249027
CIE Lab	94.33, -4.70, 22.62
CIE LCh	94, 23.108, 101.746
Yxy	86.0334, 0.3459, 0.3749
Android (android.graphics.Color)	4294439107 (0xFFFF7F0C3)
YUV	236.9630, -20.6878, 8.8024
Hunter-Lab	92.7542, -9.5781, 23.9739

Details

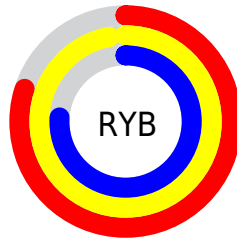
The YIQ color $236.9630, 18.6170, -12.5110$ is a light color, and the websafe version is hex $FFFFCC$. A complement of this color would be $205.0370, -18.6170, 12.5110$, and the grayscale version is $237.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $254.6580, 0.9630, -0.9330$, and $180.8920, 17.3790, -12.1010$ is the 20% darker color. If you saturate the color by 10%, you get $232.3520, 27.4670, -18.7170$, and if you desaturate by 10%, it is $241.5740, 9.7670, -6.3050$.

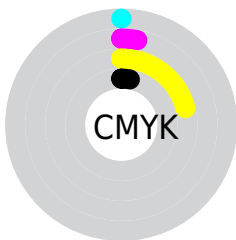
Distribution



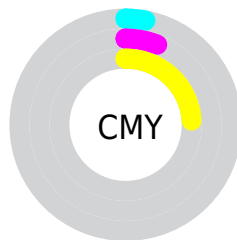
- Red (97%)
- Green (94%)
- Blue (76%)



- Red (80%)
- Yellow (97%)
- Blue (76%)



- Cyan (0%)
- Magenta (3%)
- Yellow (21%)
- Black (3%)



- Cyan (3%)
- Magenta (6%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 236.9630, 18.6170, -12.5110 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 236.9630, 18.6170, -12.5110 by changing the saturation by 10% instead.

236.9630, 18.6170,
-12.5110

236.9630, 18.6170,
-12.5110

255.0000, -0.0000,
-0.0000

208.7780, 17.7000,
-12.4120

254.6580, 0.9630,
-0.9330

180.8920, 17.3790,
-12.1010

154.0060, 17.0580,
-11.7900

127.9350, 15.8200,
-11.3800

102.7500, 14.9030,
-11.2810

78.8640, 14.5820,
-10.9700

55.7930, 13.3440,

-10.5600

■ 33.6790, 13.6650,
-10.8710

■ 13.5670, 2.4770,
-6.3470

■ 236.9630, 18.6170,
-12.5110

■ 236.9630, 18.6170,
-12.5110

■ 232.3520, 27.4670,
-18.7170

■ 241.5740, 9.7670,
-6.3050

■ 227.2680, 36.2710,
-24.0890

■ 246.6580, 0.9630,
-0.9330

■ 222.6570, 45.1210,
-30.2950

■ 249.6730, -3.3930,
0.9190

■ 218.0460, 53.9710,
-36.5010

■ 251.4340, -4.2180,
-0.6500

■ 212.9620, 62.7750,
-41.8730

■ 252.6080, -4.7680,
-1.6960

■ 208.3510, 71.6250,
-48.0790

■ 203.7400, 80.4750,
-54.2850

■ 199.4710, 88.3620,
-59.5580

Harmonies

Analogous

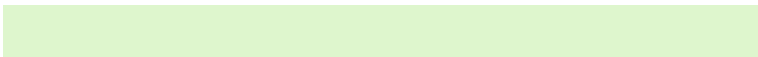
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



235.4740, 24.6680, -6.5320



236.9630, 18.6170, -12.5110



234.1500, -1.1430, -17.8390

Triad

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



236.9630, 18.6170, -12.5110



229.9390, -42.7290, -13.0730



237.1620, 8.8920, 15.0680

Complementary

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



236.9630, 18.6170, -12.5110



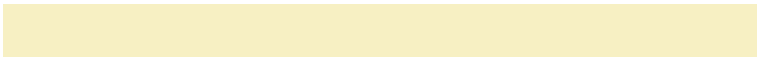
205.0370, -18.6170, 12.5110

Split Complementary

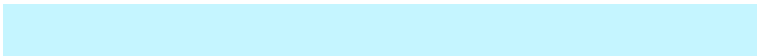
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



240.0260, 6.2790, 12.8630



236.9630, 18.6170, -12.5110



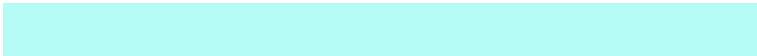
231.7880, -31.8180, -7.0660

Square

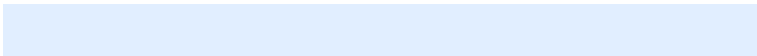
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



236.9630, 18.6170, -12.5110



230.2010, -40.7110, -16.6070



236.0510, -13.2050, 2.5310



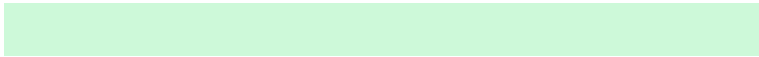
233.4800, 16.5040, 9.2720

Rectangle

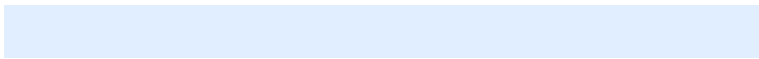
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



236.9630, 18.6170, -12.5110



232.1960, -15.9520, -19.2800



236.0510, -13.2050, 2.5310



237.9770, 7.9750, 15.1670

Sweetspot

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



236.9630, 18.6170, -12.5110



252.1160, 5.3650, -3.6190



211.4600, 28.4240, 13.5120



125.8000, 3.4390, -1.7530



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.



236.9630, 18.6170, -12.5110



242.4210, 23.0190, -15.1970



235.6900, 5.9640, -19.9880



120.0450, 4.1270, -3.2090



150.1210, 66.5810, -44.7710



47.5780, 21.1390, -14.1650

Inverse Universe

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



205.0370, -18.6170, 12.5110



203.5790, -23.0190, 15.1970



206.3100, -5.9640, 19.9880



112.5420, -4.4020, 2.6860



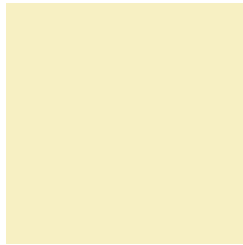
35.8790, -66.5810, 44.7710



11.4220, -21.1390, 14.1650

Previews

White Background



This preview shows how the YIQ color 236.9630, 18.6170, -12.5110 looks on a white background.

Color Contrast Check

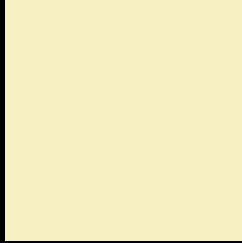
Large Text (above 18pt) WCAG AA × Fail

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 236.9630, 18.6170, -12.5110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

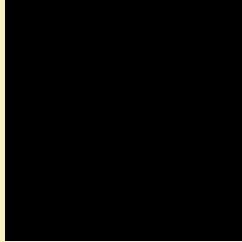
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 236.9630, 18.6170, -12.5110

Background



This preview shows how black text looks on a background with the YIQ color 236.9630, 18.6170, -12.5110.



This preview shows how white text looks on a background with the YIQ color 236.9630, 18.6170,

-12.5110.

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

236.9630, 18.6170, -12.5110

Protanopia

237.4690, 23.0640, -10.5040

Deuteranopia

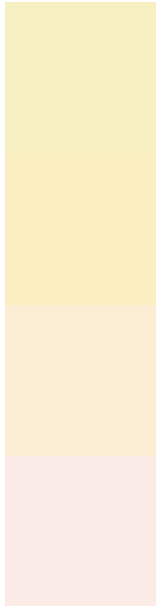
239.6120, 15.7720, 0.5080



Tritanopia

240.7440, 7.0130, 10.5730

Trichromacy



Original Color

236.9630, 18.6170, -12.5110

Protanomaly

237.4580, 21.5970, -11.4510

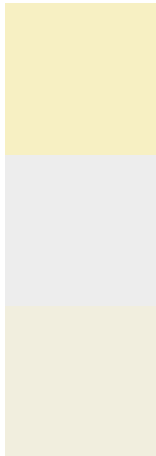
Deuteranomaly

238.7490, 16.6440, -4.2840

Tritanomaly

239.3280, 10.8200, 2.1480

Monochromacy



Original Color

236.9630, 18.6170, -12.5110

Achromatopsia

237.0000, -0.0000, -0.0000

Achromatomaly

237.0730, 6.9240, -4.3400

CSS Examples

Text

The CSS property to change the color of the text to YIQ 236.9630, 18.6170, -12.5110 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(247, 240, 195)` looks like.

```
.text, #text, p{  
    color:rgb(247, 240, 195)  
}
```

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(247, 240, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 240, 195) }
```

Border

The CSS property to change the border of an element to YIQ 236.9630, 18.6170, -12.5110 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(247, 240, 195) }
```


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

```
.border{ border-color:rgb(247, 240, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 240, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 240, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 240, 195);  
box-shadow:4px 4px 4px 4px rgb(247, 240,  
195) }
```

Background

The CSS property to change the background color of an element to YIQ 236.9630, 18.6170, -12.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 240, 195) }
```

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

```
.background{ background-color: rgb(247,  
240, 195) }
```

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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