

Converting Colors

YIQ(238.4890, 20.3120, -4.6800)

Have a look what the booklet for
YIQ(238.4890, 20.3120, -4.6800)
contains.

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Color

**YIQ(238.4890, 20.3120,
-4.6800)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECD0
RGB	255, 236, 208
RGB Percent	100%, 93%, 82%
CMY	0.0000, 0.0745, 0.1842
CMYK	0.00, 0.07, 0.18, 0.00
HSL	36°, 100%, 91%
HSV	36°, 18%, 100%
XYZ	82.6215, 85.8016, 71.8981
YIQ	238.4890, 20.3120, -4.6800

Conversions

Conversions Part 2

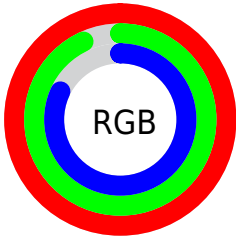
Format	Color
R _Y B	240, 255, 208
Decimal	16772304
CIE Lab	94.23, 2.07, 15.89
CIE LCh	94, 16.021, 82.583
Yxy	85.8016, 0.3438, 0.3570
Android (android.graphics.Color)	4294962384 (0xFFFFECD0)
YUV	238.4890, -15.0311, 14.4801
Hunter-Lab	92.6292, -2.8862, 18.8199

Details

The YIQ color $238.4890, 20.3120, -4.6800$ is a light color, and the websafe version is hex $FFFFCC$. A complement of this color would be $224.5110, -20.3120, 4.6800$, and the grayscale version is $239.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $255.0000, -0.0000, -0.0000$, and $182.4180, 19.0740, -4.2700$ is the 20% darker color. If you saturate the color by 10%, you get $229.7690, 31.0870, -7.2250$, and if you desaturate by 10%, it is $247.3230, 9.2160, -1.8240$.

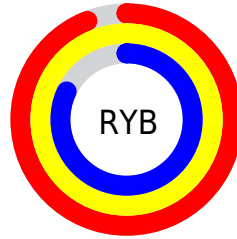
Distribution



Red (100%)

Green (93%)

Blue (82%)



Red (94%)

Yellow (100%)

Blue (82%)

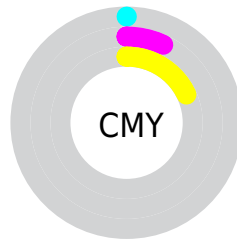


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 238.4890, 20.3120, -4.6800 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 238.4890, 20.3120, -4.6800 by changing the saturation by 10% instead.


 238.4890, 20.3120,
-4.6800


 238.4890, 20.3120,
-4.6800


255.0000, -0.0000,
-0.0000

 210.1900, 19.7160,
-4.8920

 182.4180, 19.0740,
-4.2700

 155.2330, 18.1570,
-4.1710

 129.8200, 17.8820,
-4.6940

 104.6350, 16.9650,
-4.5950

 80.4500, 16.0480,
-4.4960

 57.0800, 14.2140,

-4.2980

■ 35.0800, 14.2140,
-4.2980

■ 14.8070, 10.7290,
-1.7110

■ 238.4890, 20.3120,
-4.6800

■ 238.4890, 20.3120,
-4.6800

■ 229.7690, 31.0870,
-7.2250

■ 247.3230, 9.2160,
-1.8240

■ 220.3480, 42.4580,
-9.5580

255.0000, -0.0000,
-0.0000

■ 211.6280, 53.2330,
-12.1030

■ 202.7940, 64.3290,
-14.9590

■ 193.4870, 75.3790,
-16.9810

■ 184.6530, 86.4750,
-19.8370

■ 175.9330, 97.2500,
-22.3820

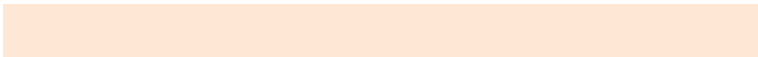
■ 166.5120,
108.6210, -24.7150

■ 165.4690,
110.1800, -25.4360

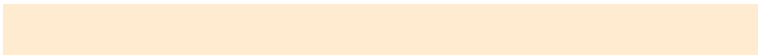
Harmonies

Analogous

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



236.2380, 19.7610, -0.1990



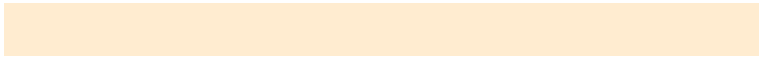
238.4890, 20.3120, -4.6800



236.5690, 8.1630, -10.2770

Triad

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



238.4890, 20.3120, -4.6800



232.9900, -29.5710, -9.2430



240.9120, 6.6000, 12.5520

Complementary

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



238.4890, 20.3120, -4.6800



224.5110, -20.3120, 4.6800

Split Complementary

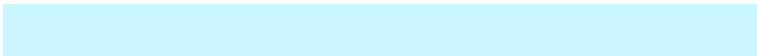
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



238.4650, -5.5030, 6.1210



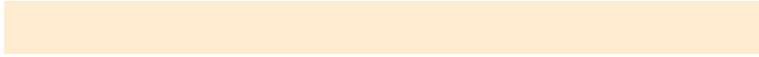
238.4890, 20.3120, -4.6800



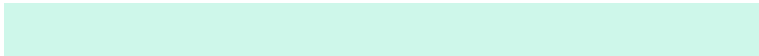
233.5820, -28.2420, -5.7940

Square

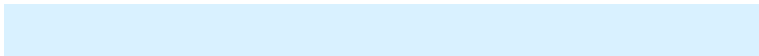
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



238.4890, 20.3120, -4.6800



233.2590, -20.2630, -12.7350



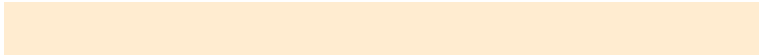
235.4200, -18.7980, -0.7340



237.7830, 11.2770, 10.3890

Rectangle

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



238.4890, 20.3120, -4.6800



235.3120, -1.4190, -12.8350



235.4200, -18.7980, -0.7340



239.7050, 2.7490, 10.7570

Sweetspot

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



238.4890, 20.3120, -4.6800



249.7680, 6.4650, -1.5270



224.3330, 21.5920, 16.1840



124.6260, 3.9890, -0.7070



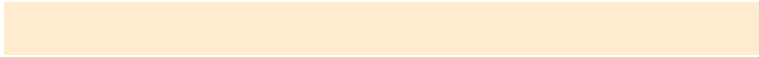
0.0000, 0.0000, 0.0000



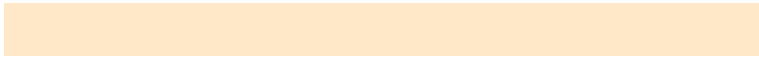
128.0000, -0.0000, -0.0000

Same Dimension

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



238.4890, 20.3120, -4.6800



235.1150, 24.3010, -5.3870



248.4460, 12.7030, -15.4650



122.9960, 5.8230, -0.9050



124.0270, 82.4860, -19.1300



41.4420, 27.6940, -6.3060

Inverse Universe

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



224.5110, -20.3120, 4.6800



218.8850, -24.3010, 5.3870



214.5540, -12.7030, 15.4650



119.4170, -5.5480, 1.4280



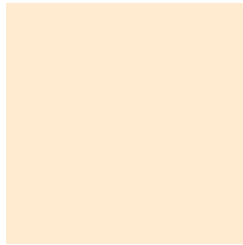
66.9730, -82.4860, 19.1300



22.5580, -27.6940, 6.3060

Previews

White Background



This preview shows how the YIQ color 238.4890, 20.3120, -4.6800 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 238.4890, 20.3120, -4.6800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

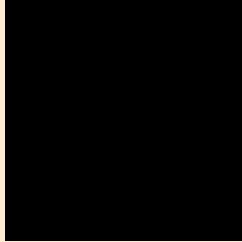
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 238.4890, 20.3120, -4.6800

Background



This preview shows how black text looks on a background with the YIQ color 238.4890, 20.3120, -4.6800.



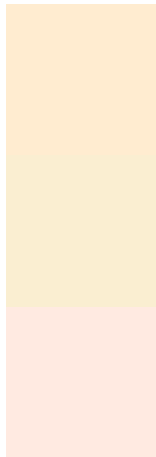
This preview shows how white text looks on a background with the YIQ color 238.4890, 20.3120,

-4.6800.

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

238.4890, 20.3120, -4.6800

Protanopia

238.2820, 16.4610, -6.4750

Deuteranopia

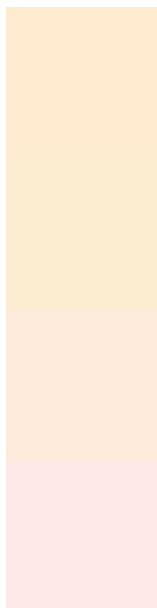
239.2530, 15.4050, 1.6530



Tritanopia

240.4730, 9.2140, 9.2300

Trichromacy



Original Color

238.4890, 20.3120, -4.6800

Protanomaly

238.2930, 17.9280, -5.5280

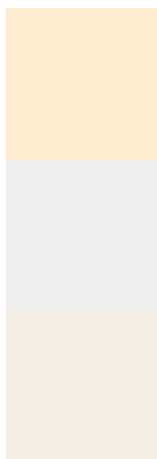
Deuteranomaly

239.1560, 17.0560, -0.7360

Tritanomaly

239.4640, 13.4330, 4.3530

Monochromacy



Original Color

238.4890, 20.3120, -4.6800

Achromatopsia

238.0000, -0.0000, 0.0000

Achromatomaly

237.9530, 7.3820, -1.6260

CSS Examples

Text

The CSS property to change the color of the text to YIQ 238.4890, 20.3120, -4.6800 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(255, 236, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 208)  
}
```

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(255, 236, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 208) }
```

Border

The CSS property to change the border of an element to YIQ 238.4890, 20.3120, -4.6800 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(255, 236, 208) }
```


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

```
.border{ border-color:rgb(255, 236, 208) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
208) }
```

Background

The CSS property to change the background color of an element to YIQ 238.4890, 20.3120, -4.6800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 208) }
```

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

```
.background{ background-color: rgb(255,  
236, 208) }
```

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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