

# Converting Colors

YIQ(208.2420, 31.1330, -8.0590)

Have a look what the booklet for  
YIQ(208.2420, 31.1330, -8.0590)  
contains.

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# Color

**YIQ(208.2420, 31.1330,  
-8.0590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9CDA0
RGB	233, 205, 160
RGB Percent	91%, 80%, 63%
CMY	0.0862, 0.1961, 0.3724
CMYK	0.00, 0.12, 0.31, 0.09
HSL	37°, 62%, 77%
HSV	37°, 31%, 91%
XYZ	61.7847, 63.5217, 42.2808
YIQ	208.2420, 31.1330, -8.0590

# Conversions

## Conversions Part 2

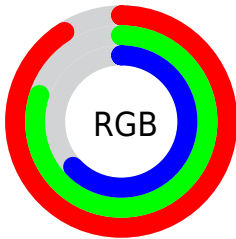
Format	Color
R <sub>Y</sub> B	205, 233, 160
Decimal	15322528
CIE Lab	83.72, 3.32, 26.01
CIE LCh	84, 26.223, 82.730
Yxy	63.5217, 0.3687, 0.3790
Android (android.graphics.Color)	4293512608 (0xFFE9CDA0)
YUV	208.2420, -23.7833, 21.7128
Hunter-Lab	79.7005, -1.1009, 24.3373

# Details

The YIQ color  $208.2420, 31.1330, -8.0590$  is a light color, and the websafe version is hex  $\text{FFCC99}$ . A complement of this color would be  $184.7580, -31.1330, 8.0590$ , and the grayscale version is  $208.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $250.4400, 12.8400, -12.4400$ , and  $153.5730, 28.7030, -8.0730$  is the 20% darker color. If you saturate the color by 10%, you get  $200.3370, 40.9910, -10.5050$ , and if you desaturate by 10%, it is  $216.1470, 21.2750, -5.6130$ .

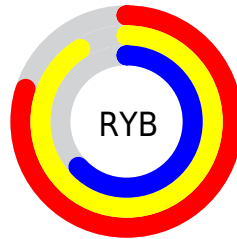
# Distribution



Red (91%)

Green (80%)

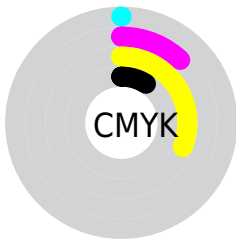
Blue (63%)



Red (80%)

Yellow (91%)

Blue (63%)

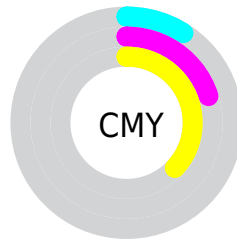


Cyan (0%)

Magenta (12%)

Yellow (31%)

Black (9%)



Cyan (9%)

Magenta (20%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 208.2420, 31.1330, -8.0590 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 208.2420, 31.1330, -8.0590 by changing the saturation by 10% instead.



208.2420, 31.1330,  
-8.0590

208.2420, 31.1330,  
-8.0590

255.0000, -0.0000,  
-0.0000

180.7580, 29.6200,  
-8.1720

250.4400, 12.8400,  
-12.4400

153.5730, 28.7030,  
-8.0730

253.7460, 3.5310,  
-3.4210

127.5020, 27.4650,  
-7.6630

102.0180, 25.9520,  
-7.7760

77.8330, 25.0350,  
-7.6770

55.0500, 22.9260,  
-8.0020

33.1360, 19.8080,

-6.5600

■ 13.0460, 11.5540,  
-0.1420

■ 0.0000, 0.0000,  
0.0000

■ 208.2420, 31.1330,  
-8.0590

■ 208.2420, 31.1330,  
-8.0590

■ 200.3370, 40.9910,  
-10.5050

■ 216.1470, 21.2750,  
-5.6130

■ 192.3180, 51.1700,  
-13.2620

■ 224.1660, 11.0960,  
-2.8560

■ 184.4130, 61.0280,  
-15.7080

■ 232.0710, 1.2380,  
-0.4100

■ 176.5080, 70.8860,  
-18.1540

■ 239.9760, -8.6200,  
2.0360

■ 168.6030, 80.7440,  
-20.6000

■ 245.4870,  
-11.7370, -2.0490

■ 160.5840, 90.9230,  
-23.3570

■ 248.4220,  
-13.1120, -4.6640

■ 154.1950, 99.2680,  
-25.9160

# Harmonies

## Analogous

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



210.3670, 41.4470, 3.2630



208.2420, 31.1330, -8.0590



205.5060, 12.4740, -16.8220

# Triad

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



208.2420, 31.1330, -8.0590



197.7530, -51.0730, -16.0410



212.5630, 9.4410, 21.6410

# Complementary

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



208.2420, 31.1330, -8.0590



184.7580, -31.1330, 8.0590

# 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.



209.9990, -15.4540, 15.7620



208.2420, 31.1330, -8.0590



200.0660, -53.0920, -6.9800

# Square

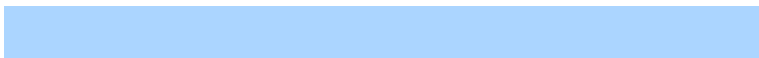
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



208.2420, 31.1330, -8.0590



199.0890, -34.7040, -20.8480



205.2300, -38.5140, 4.1580



213.2740, 29.2480, 20.6080



# Rectangle

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



208.2420, 31.1330, -8.0590



203.1990, -2.8390, -20.1430



205.2300, -38.5140, 4.1580



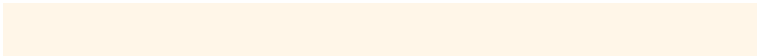
212.3170, 1.3260, 20.0300

# Sweetspot

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



208.2420, 31.1330, -8.0590



247.0950, 9.8580, -2.4460



185.1330, 34.1990, 24.4950



122.7680, 6.4650, -1.5270



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.



208.2420, 31.1330, -8.0590



222.2230, 41.3120, -10.8160



222.5850, 19.2610, -24.1870



113.3980, 4.6310, -1.3290



119.8630, 77.0760, -20.2040



35.5170, 23.1090, -5.8110



# Inverse Universe

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



184.7580, -31.1330, 8.0590



190.7770, -41.3120, 10.8160



170.4150, -19.2610, 24.1870



109.6020, -4.6310, 1.3290



61.7240, -77.3510, 19.6810

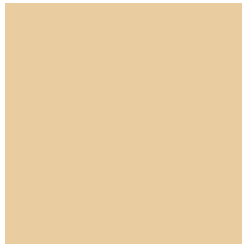


18.4830, -23.1090, 5.8110



# Previews

## White Background



This preview shows how the YIQ color 208.2420, 31.1330, -8.0590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

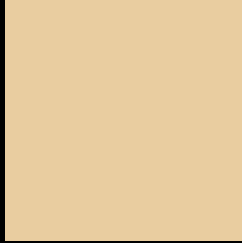
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 208.2420, 31.1330, -8.0590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

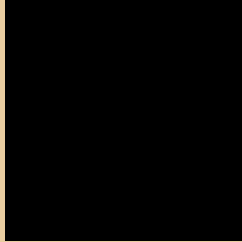
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 208.2420, 31.1330, -8.0590

## Background



This preview shows how black text looks on a background with the YIQ color 208.2420, 31.1330, -8.0590.



This preview shows how white text looks on a background with the YIQ color 208.2420, 31.1330,

-8.0590.

# 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

208.2420, 31.1330, -8.0590

### Protanopia

207.2410, 23.7060, -11.1260

### Deuteranopia

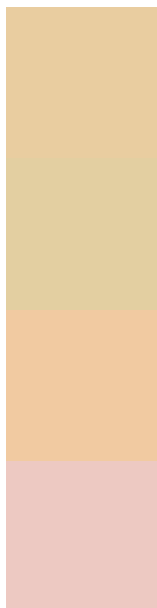
209.0090, 39.3390, -2.5890



## Tritanopia

211.9690, 19.6210, 13.3570

# Trichromacy



## Original Color

208.2420, 31.1330, -8.0590

## Protanomaly

207.7360, 26.6860, -10.0660

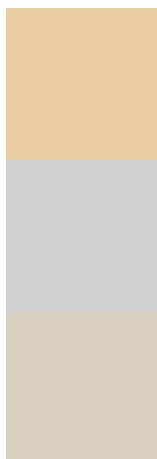
## Deuteranomaly

208.9870, 36.4050, -4.4830

## Tritanomaly

210.9660, 23.7030, 5.4550

# Monochromacy



## Original Color

208.2420, 31.1330, -8.0590

## Achromatopsia

208.0000, -0.0000, -0.0000

## Achromatomaly

208.1660, 11.0960, -2.8560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 208.2420, 31.1330, -8.0590 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, 205, 160)` looks like.

```
.text, #text, p{  
    color:rgb(233, 205, 160)  
}
```

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, 205, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 205, 160) }
```

## Border

The CSS property to change the border of an element to YIQ 208.2420, 31.1330, -8.0590 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, 205, 160) }
```



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

```
.border{ border-color:rgb(233, 205, 160) }
```

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

Here you see how a box with a 4 pixel rgb(233, 205, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 205, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 205, 160);  
box-shadow:4px 4px 4px 4px rgb(233, 205,  
160) }
```

# Background

The CSS property to change the background color of an element to YIQ 208.2420, 31.1330, -8.0590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 205, 160) }
```

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

```
.background{ background-color: rgb(233,  
205, 160) }
```

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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