

# Converting Colors

YIQ(209.7140, 40.9470,  
-20.7250)

Have a look what the booklet for  
YIQ(209.7140, 40.9470, -20.7250)  
contains.

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# Color

**YIQ(209.7140, 40.9470,  
-20.7250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECD481
RGB	236, 212, 129
RGB Percent	93%, 83%, 51%
CMY	0.0745, 0.1686, 0.4939
CMYK	0.00, 0.10, 0.45, 0.07
HSL	47°, 74%, 72%
HSV	47°, 45%, 93%
XYZ	62.0997, 66.5014, 30.3521
YIQ	209.7140, 40.9470, -20.7250

# Conversions

## Conversions Part 2

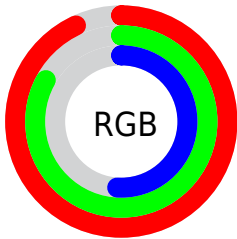
Format	Color
<a href="#">RYB</a>	<a href="#">160, 236, 129</a>
Decimal	<a href="#">15520897</a>
CIELab	<a href="#">85.25, -2.56, 43.92</a>
CIELCh	<a href="#">85, 43.997, 93.342</a>
Yxy	<a href="#">66.5014, 0.3907, 0.4184</a>
Android (android.graphics.Color)	<a href="#">4293710977</a> ( <a href="#">0xFFECD481</a> )
YUV	<a href="#">209.7140, -39.7920, 23.0528</a>
Hunter-Lab	<a href="#">81.5484, -6.7806, 35.0163</a>

# Details

The YIQ color  $209.7140, 40.9470, -20.7250$  is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be  $155.2860, -40.9470, 20.7250$ , and the grayscale version is  $210.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $246.7920, 23.1120, -22.3920$ , and  $154.8600, 37.6000, -20.6400$  is the 20% darker color. If you saturate the color by 10%, you get  $204.0430, 50.0260, -25.5740$ , and if you desaturate by 10%, it is  $215.3850, 31.8680, -15.8760$ .

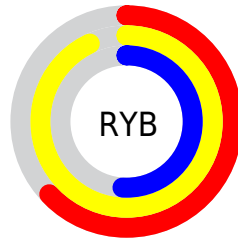
# Distribution



Red (93%)

Green (83%)

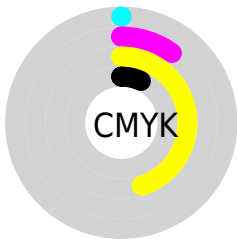
Blue (51%)



Red (63%)

Yellow (93%)

Blue (51%)

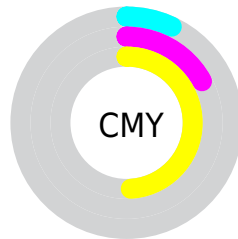


Cyan (0%)

Magenta (10%)

Yellow (45%)

Black (7%)



Cyan (7%)

Magenta (17%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 209.7140, 40.9470, -20.7250 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 209.7140, 40.9470, -20.7250 by changing the saturation by 10% instead.





 209.7140, 40.9470,  
-20.7250


 209.7140, 40.9470,  
-20.7250


255.0000, -0.0000,  
-0.0000


 181.6430, 39.7090,  
-20.3150


 246.7920, 23.1120,  
-22.3920


 154.8600, 37.6000,  
-20.6400


 249.9840, 14.1240,  
-13.6840

 128.3760, 36.0870,  
-20.7530

 253.2900, 4.8150,  
-4.6650

 102.7780, 34.8950,  
-21.1770

 77.4250, 34.3910,  
-23.0570

 56.4490, 25.8160,  
-16.3280

 36.0600, 16.9660,

-10.1220

■ 16.5460, 6.9700,  
-5.1740

■ 0.0000, 0.0000,  
0.0000

■ 209.7140, 40.9470,  
-20.7250

■ 209.7140, 40.9470,  
-20.7250

■ 204.0430, 50.0260,  
-25.5740

■ 215.3850, 31.8680,  
-15.8760

■ 197.8990, 59.0590,  
-29.5890

■ 221.5290, 22.8350,  
-11.8610

■ 192.2280, 68.1380,  
-34.4380

■ 227.2000, 13.7560,  
-7.0120

■ 186.6710, 76.8960,  
-38.9760

■ 232.7570, 4.9980,  
-2.4740

■ 181.0000, 85.9750,  
-43.8250

■ 238.4280, -4.0810,  
2.3750

■ 177.9850, 90.3310,  
-45.6770

■ 242.8620, -8.2990,  
1.7250

■ 245.7970, -9.6740,  
-0.8900

■ 248.7320,  
-11.0490, -3.5050

■ 249.3190,  
-11.3240, -4.0280

# Harmonies

## Analogous

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



208.4310, 52.5900, -5.9540



209.7140, 40.9470, -20.7250



205.0840, 7.2500, -32.2860

# Triad

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



209.7140, 40.9470, -20.7250



177.4910, -124.1530, -35.2330



214.6280, 19.9840, 34.3200

# Complementary

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



209.7140, 40.9470, -20.7250



155.2860, -40.9470, 20.7250

# 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.



213.4460, -3.3510, 22.1930



209.7140, 40.9470, -20.7250



188.3320, -92.4280, -20.9720

# Square

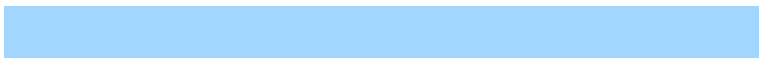
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



209.7140, 40.9470, -20.7250



187.9840, -83.3010, -37.7090



203.4140, -45.0240, 0.9920



206.4320, 34.7950, 24.7070



# Rectangle

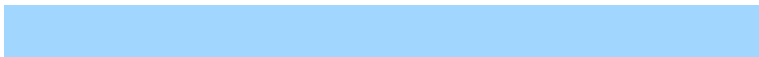
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



209.7140, 40.9470, -20.7250



201.0190, -20.4880, -36.2000



203.4140, -45.0240, 0.9920



217.4320, 17.6000, 33.4720

# Sweetspot

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



209.7140, 40.9470, -20.7250



246.2000, 13.7560, -7.0120



163.8430, 55.7470, 30.4590



122.5570, 8.4370, -4.2270



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.



209.7140, 40.9470, -20.7250



221.0710, 52.8230, -26.7050



215.1310, 17.0630, -39.4250



114.5720, 4.0810, -2.3750



136.2990, 69.3760, -34.8480



40.8000, 20.6340, -10.5180



# Inverse Universe

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



155.2860, -40.9470, 20.7250



150.9290, -52.8230, 26.7050



149.8690, -17.0630, 39.4250



108.4280, -4.0810, 2.3750



44.7010, -69.3760, 34.8480

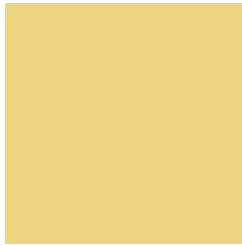


13.2000, -20.6340, 10.5180



# Previews

## White Background



This preview shows how the YIQ color 209.7140, 40.9470, -20.7250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

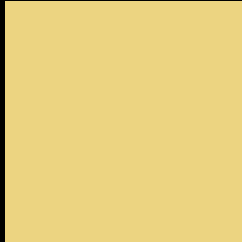
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 209.7140, 40.9470, -20.7250 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 209.7140, 40.9470, -20.7250

## Background



This preview shows how black text looks on a background with the YIQ color 209.7140, 40.9470, -20.7250.



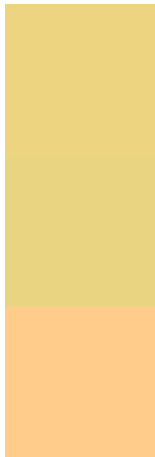
This preview shows how white text looks on a background with the YIQ color 209.7140, 40.9470,

-20.7250.

# 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

209.7140, 40.9470, -20.7250

### Protanopia

209.4040, 38.8840, -21.8840

### Deuteranopia

211.8390, 51.2610, -9.4030



## Tritanopia

215.9800, 21.0880, 14.3040

# Trichromacy



## Original Color

209.7140, 40.9470, -20.7250

## Protanomaly

209.7030, 39.4800, -21.6720

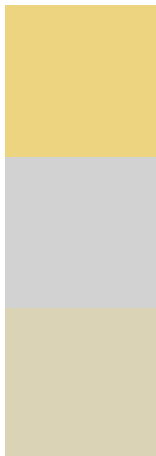
## Deuteranomaly

211.0510, 47.5480, -13.7000

## Tritanomaly

213.7830, 28.4720, 1.6240

# Monochromacy



## Original Color

209.7140, 40.9470, -20.7250

## Achromatopsia

210.0000, 0.0000, 0.0000

## Achromatomaly

209.9720, 14.3980, -7.6340

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 209.7140, 40.9470, -20.7250 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, 212, 129)` looks like.

```
.text, #text, p{  
    color:rgb(236, 212, 129)  
}
```

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, 212, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 212, 129) }
```

## Border

The CSS property to change the border of an element to YIQ 209.7140, 40.9470, -20.7250 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, 212, 129) }
```



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

```
.border{ border-color:rgb(236, 212, 129) }
```

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

Here you see how a box with a 4 pixel rgb(236, 212, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 212, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 212, 129);  
box-shadow:4px 4px 4px 4px rgb(236, 212,  
129) }
```

# Background

The CSS property to change the background color of an element to YIQ 209.7140, 40.9470, -20.7250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 212, 129) }
```

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

```
.background{ background-color: rgb(236,  
212, 129) }
```

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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