

# Converting Colors

YIQ(245.7730, 8.0690, 2.4450)

Have a look what the booklet for  
YIQ(245.7730, 8.0690, 2.4450)  
contains.

<b>YIQ(245.7730, 8.0690, 2.4450)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(245.7730, 8.0690,  
2.4450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2F1
RGB	255, 242, 241
RGB Percent	100%, 95%, 95%
CMY	0.0000, 0.0510, 0.0549
CMYK	0.00, 0.05, 0.05, 0.00
HSL	4°, 100%, 97%
HSV	4°, 5%, 100%
XYZ	88.8689, 91.1124, 96.1282
YIQ	245.7730, 8.0690, 2.4450

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 242, 241
Decimal	16773873
CIE Lab	96.46, 4.20, 2.03
CIE LCh	96, 4.661, 25.766
Yxy	91.1124, 0.3219, 0.3300
Android (android.graphics.Color)	4294963953 (0xFFFFF2F1)
YUV	245.7730, -2.3531, 8.0921
Hunter-Lab	95.4528, -0.8545, 7.1075

# Details

The YIQ color 245.7730, 8.0690, 2.4450 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 250.2270, -8.0690, -2.4450, and the grayscale version is 246.0000, -0.0000, -0.0000.

A 20% lighter version of the original color is 255.0000, -0.0000, -0.0000, and 189.4740, 7.4730, 2.2330 is the 20% darker color. If you saturate the color by 10%, you get 228.8350, 22.6940, 7.2220, and if you desaturate by 10%, it is 255.0000, -0.0000, -0.0000.

# Distribution



Red (100%)

Green (95%)

Blue (95%)



Red (100%)

Yellow (95%)

Blue (95%)



Cyan (0%)

Magenta (5%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 245.7730, 8.0690, 2.4450 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 245.7730, 8.0690, 2.4450 by changing the saturation by 10% instead.



 245.7730, 8.0690,  
2.4450


 245.7730, 8.0690,  
2.4450


255.0000, -0.0000,  
-0.0000


 217.4740, 7.4730,  
2.2330

 189.4740, 7.4730,  
2.2330

 162.4740, 7.4730,  
2.2330

 136.1750, 6.8770,  
2.0210

 111.1750, 6.8770,  
2.0210

 86.2890, 6.5560,  
2.3320

 62.9900, 5.9600,

2.1200

■ 41.5770, 5.6850,  
1.5970

■ 20.5770, 5.6850,  
1.5970

■ 245.7730, 8.0690,  
2.4450

■ 245.7730, 8.0690,  
2.4450

■ 228.8350, 22.6940,  
7.2220

255.0000, -0.0000,  
-0.0000

■ 212.3700, 37.3650,  
11.1650

■ 195.4320, 51.9900,  
15.9420

■ 178.3800, 66.9360,  
20.4080

■ 162.0290, 81.2860,  
24.6620

■ 144.9770, 96.2320,  
29.1280

■ 128.0390,  
110.8570, 33.9050

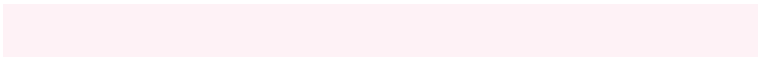
■ 110.9870,  
125.8030, 38.3710

■ 94.6360, 140.1530,  
42.6250

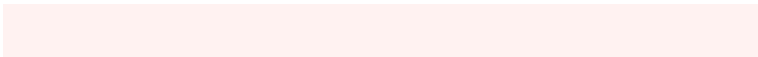
# Harmonies

## Analogous

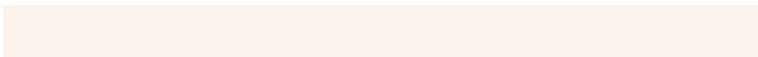
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



246.0440, 5.8680, 3.7880



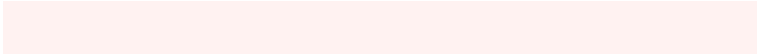
245.7730, 8.0690, 2.4450



245.3060, 7.8860, 0.2540

# Triad

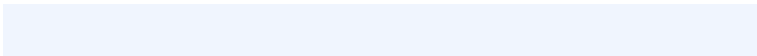
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



245.7730, 8.0690, 2.4450



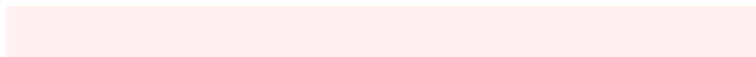
243.8100, -2.5210, -3.8730



244.5310, -5.8690, 1.7390

# Complementary

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



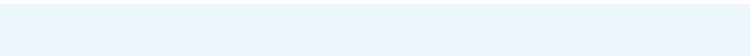
245.7730, 8.0690, 2.4450



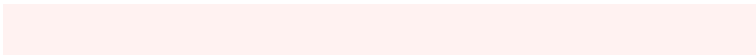
250.2270, -8.0690, -2.4450

# Split Complementary

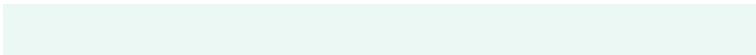
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



244.2810, -8.1610, -0.7770



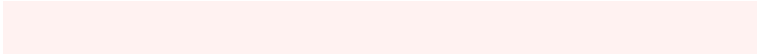
245.7730, 8.0690, 2.4450



243.6570, -6.4640, -4.0000

# Square

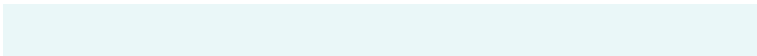
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



245.7730, 8.0690, 2.4450



244.3760, 1.6970, -3.2230



243.2270, -8.0690, -2.4450

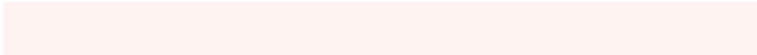


245.3250, -2.2930, 3.0110

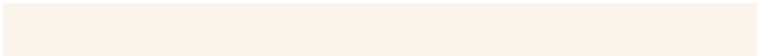


# Rectangle

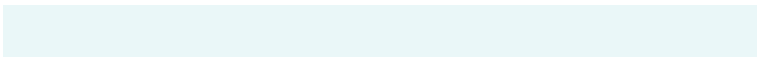
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



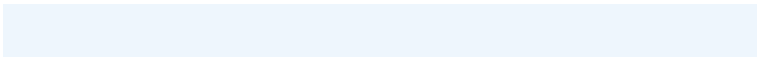
245.7730, 8.0690, 2.4450



245.1810, 6.7400, -1.0040



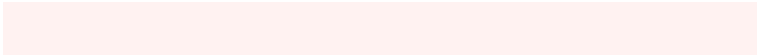
243.2270, -8.0690, -2.4450



244.4060, -7.0150, 0.4810

# Sweetspot

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



245.7730, 8.0690, 2.4450



251.4950, 2.9800, 1.0600



246.6680, 4.1710, 7.0110



125.8970, 1.7880, 0.6360



0.0000, 0.0000, 0.0000

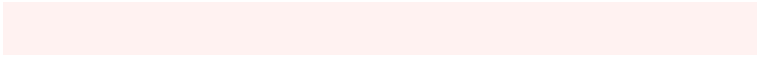


128.0000, -0.0000, -0.0000



# Same Dimension

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



245.7730, 8.0690, 2.4450



242.9690, 10.4530, 3.2930



249.8820, 6.1440, -1.2160



120.8760, 6.2810, 1.8090



65.3270, 109.9860, 33.1700



22.0710, 36.7690, 10.9530

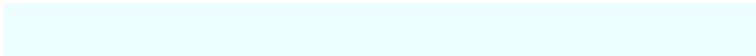


# Inverse Universe

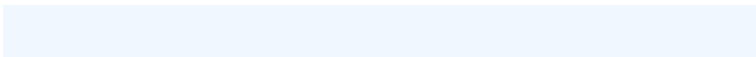
The Inverse Universe completely reimagines the original color for something new.



250.2270, -8.0690, -2.4450



249.0310, -10.4530, -3.2930



246.1180, -6.1440, 1.2160



124.1240, -6.2810, -1.8090



126.2600, -110.2610, -33.6930

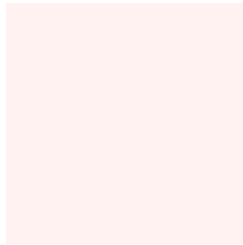


41.9290, -36.7690, -10.9530



# Previews

## White Background



This preview shows how the YIQ color 245.7730, 8.0690, 2.4450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

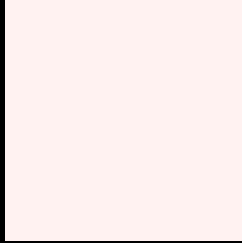
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 245.7730, 8.0690, 2.4450 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

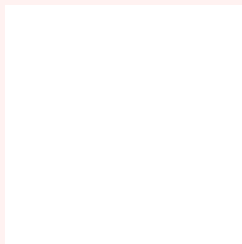
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 245.7730, 8.0690, 2.4450**

## **Background**



This preview shows how black text looks on a background with the YIQ color 245.7730, 8.0690, 2.4450.



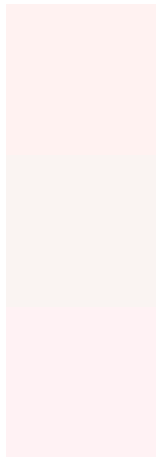
This preview shows how white text looks on a background with the YIQ color 245.7730, 8.0690,

2.4450.

# 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

245.7730, 8.0690, 2.4450

### Protanopia

245.5660, 4.2180, 0.6500

### Deuteranopia

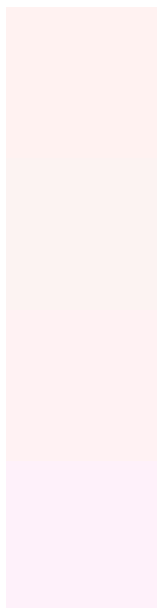
246.1150, 7.1060, 3.3780



## Tritanopia

246.4830, 3.2540, 7.1100

# Trichromacy



## Original Color

245.7730, 8.0690, 2.4450

## Protanomaly

245.5770, 5.6850, 1.5970

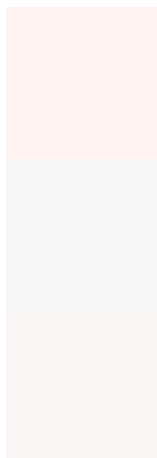
## Deuteranomaly

246.0010, 7.4270, 3.0670

## Tritanomaly

245.9130, 4.8590, 5.5550

# Monochromacy



## Original Color

245.7730, 8.0690, 2.4450

## Achromatopsia

246.0000, -0.0000, -0.0000

## Achromatomaly

246.0820, 2.7050, 0.5370

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 245.7730, 8.0690, 2.4450 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, 242, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 241)  
}
```

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, 242, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 241) }
```

## Border

The CSS property to change the border of an element to YIQ 245.7730, 8.0690, 2.4450 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, 242, 241) }
```



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

```
.border{ border-color:rgb(255, 242, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
241) }
```

# Background

The CSS property to change the background color of an element to YIQ 245.7730, 8.0690, 2.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 241) }
```

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

```
.background{ background-color: rgb(255,  
242, 241) }
```

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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