

Converting Colors

YIQ(231.9790, 4.4930, 1.1730)

Have a look what the booklet for
YIQ(231.9790, 4.4930, 1.1730)
contains.

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Color

**YIQ(231.9790, 4.4930,
1.1730)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE6E5
RGB	237, 230, 229
RGB Percent	93%, 90%, 90%
CMY	0.0706, 0.0980, 0.1019
CMYK	0.00, 0.03, 0.03, 0.07
HSL	7°, 18%, 91%
HSV	7°, 3%, 93%
XYZ	77.3659, 80.2546, 85.5453
YIQ	231.9790, 4.4930, 1.1730

Conversions

Conversions Part 2

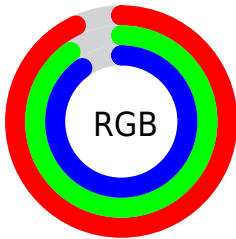
Format	Color
R_{YB}	237, 230, 229
Decimal	15591141
CIE Lab	91.80, 2.20, 1.31
CIE LCh	92, 2.558, 30.875
Yxy	80.2546, 0.3182, 0.3300
Android (android.graphics.Color)	4293781221 (0xFFE6E5)
YUV	231.9790, -1.4686, 4.4034
Hunter-Lab	89.5849, -2.6203, 6.0930

Details

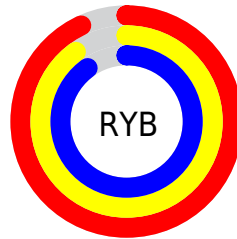
The YIQ color **231.9790, 4.4930, 1.1730** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **234.0210, -4.4930, -1.1730**, and the grayscale version is **232.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **255.0000, -0.0000, -0.0000**, and **176.6800, 3.8970, 0.9610** is the 20% darker color. If you saturate the color by 10%, you get **216.9160, 17.9720, 4.6920**, and if you desaturate by 10%, it is **247.0420, -8.9860, -2.3460**.

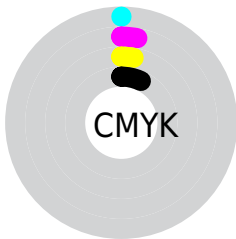
Distribution



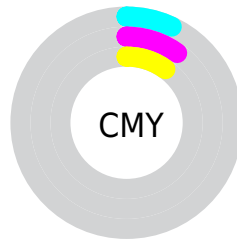
- Red (93%)
- Green (90%)
- Blue (90%)



- Red (93%)
- Yellow (90%)
- Blue (90%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (7%)



- Cyan (7%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 231.9790, 4.4930, 1.1730 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 231.9790, 4.4930, 1.1730 by changing the saturation by 10% instead.

■ 231.9790, 4.4930,
1.1730

■ 231.9790, 4.4930,
1.1730

255.0000, -0.0000,
-0.0000

■ 203.9790, 4.4930,
1.1730

■ 176.6800, 3.8970,
0.9610

■ 149.6800, 3.8970,
0.9610

■ 123.6800, 3.8970,
0.9610

■ 98.7940, 3.5760,
1.2720

■ 75.3810, 3.3010,
0.7490

■ 52.3810, 3.3010,

0.7490

■ 31.3810, 3.3010,
0.7490

■ 7.1640, 5.4100,
1.0740

■ 231.9790, 4.4930,
1.1730

■ 231.9790, 4.4930,
1.1730

■ 216.9160, 17.9720,
4.6920

■ 247.0420, -8.9860,
-2.3460

■ 202.5540, 30.8550,
7.9990

■ 249.6180,
-10.7280, -3.8160

■ 187.4910, 44.3340,
11.5180

■ 172.4280, 57.8130,
15.0370

■ 157.4790, 70.9710,
18.8670

■ 143.0030, 84.1750,
21.8630

■ 127.9400, 97.6540,
25.3820

■ 112.8770,
111.1330, 28.9010

■ 97.9280, 124.2910,
32.7310

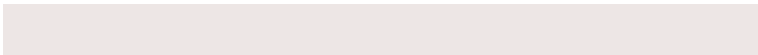
Harmonies

Analogous

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



232.2070, 3.8510, 1.7950



231.9790, 4.4930, 1.1730



232.0390, 4.2640, -0.1840

Triad

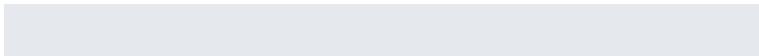
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



231.9790, 4.4930, 1.1730



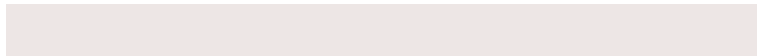
231.0490, -1.6960, -2.3040



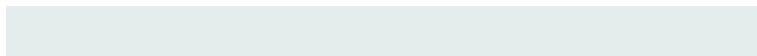
231.5590, -3.0720, 0.6080

Complementary

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



231.9790, 4.4930, 1.1730



234.0210, -4.4930, -1.1730

Split Complementary

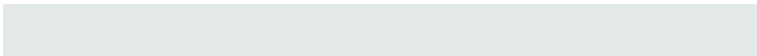
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



230.9610, -4.2640, 0.1840



231.9790, 4.4930, 1.1730



230.6790, -3.5300, -2.1060

Square

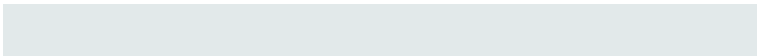
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



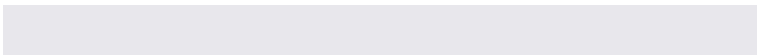
231.9790, 4.4930, 1.1730



231.1310, 1.0090, -1.7670



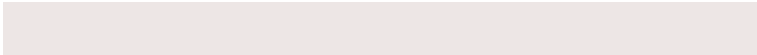
231.0210, -4.4930, -1.1730



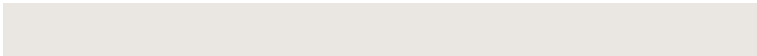
231.8690, -1.0090, 1.7670

Rectangle

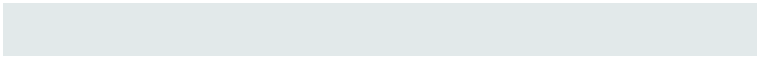
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



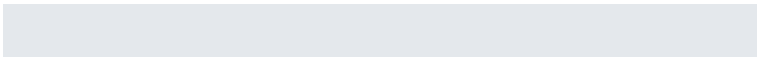
231.9790, 4.4930, 1.1730



231.4410, 3.0720, -0.6080



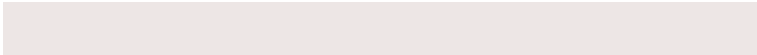
231.0210, -4.4930, -1.1730



231.2600, -3.6680, 0.3960

Sweetspot

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



231.9790, 4.4930, 1.1730



253.4840, 1.5130, 0.1130



232.1900, 2.5210, 3.8730



126.5980, 1.1920, 0.4240



0.0000, 0.0000, 0.0000



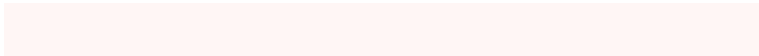
128.0000, -0.0000, -0.0000

Same Dimension

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



231.9790, 4.4930, 1.1730



248.5770, 5.6850, 1.5970



234.3270, 3.3930, -0.9190



113.3810, 3.3010, 0.7490



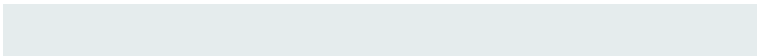
67.6200, 101.5510, 26.3430



20.2550, 30.2590, 7.7870

Inverse Universe

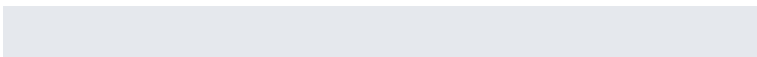
The Inverse Universe completely reimagines the original color for something new.



234.0210, -4.4930, -1.1730



251.4230, -5.6850, -1.5970



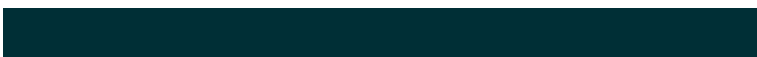
231.6730, -3.3930, 0.9190



115.2060, -3.5760, -1.2720



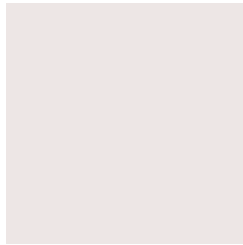
113.3800, -101.5510, -26.3430



33.7450, -30.2590, -7.7870

Previews

White Background



This preview shows how the YIQ color 231.9790, 4.4930, 1.1730 looks on a white background.

Color Contrast Check

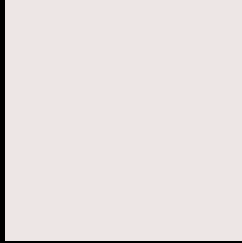
Large Text (above 18pt) WCAG AA × Fail

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 231.9790, 4.4930, 1.1730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

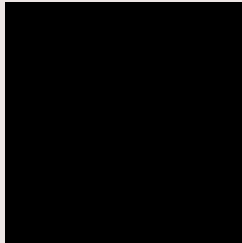
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

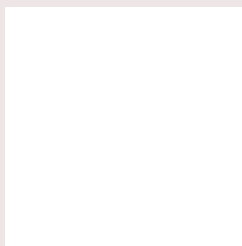
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 231.9790, 4.4930, 1.1730

Background



This preview shows how black text looks on a background with the YIQ color 231.9790, 4.4930, 1.1730.



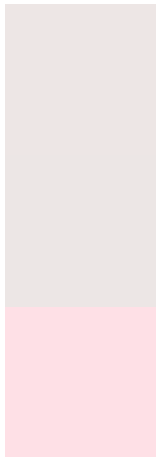
This preview shows how white text looks on a background with the YIQ color 231.9790, 4.4930,

1.1730.

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

231.9790, 4.4930, 1.1730

Protanopia

231.6800, 3.8970, 0.9610

Deuteranopia

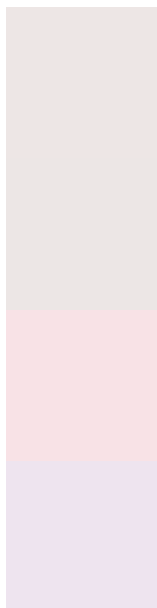
233.6540, 15.9540, 8.2260



Tritanopia

232.6400, 1.3740, 8.1420

Trichromacy



Original Color

231.9790, 4.4930, 1.1730

Protanomaly

231.6800, 3.8970, 0.9610

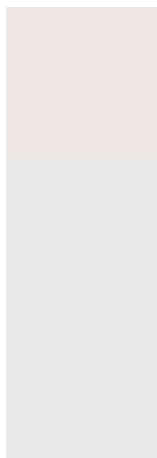
Deuteranomaly

233.0340, 11.8280, 5.9080

Tritanomaly

232.2440, 2.4290, 5.5410

Monochromacy



Original Color

231.9790, 4.4930, 1.1730

Achromatopsia

232.0000, -0.0000, 0.0000

Achromatomaly

231.8970, 1.7880, 0.6360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 231.9790, 4.4930, 1.1730 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(237, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(237, 230, 229)  
}
```

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(237, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 230, 229) }
```

Border

The CSS property to change the border of an element to YIQ 231.9790, 4.4930, 1.1730 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(237, 230, 229) }
```


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

```
.border{ border-color:rgb(237, 230, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 230, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 230, 229); box-shadow:4px 4px 4px 4px rgb(237, 230, 229) }
```

Background

The CSS property to change the background color of an element to YIQ 231.9790, 4.4930, 1.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 230, 229) }
```

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

```
.background{ background-color: rgb(237,  
230, 229) }
```

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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