

Converting Colors

YIQ(228.9650, -10.0870, 1.0890)

Have a look what the booklet for
YIQ(228.9650, -10.0870, 1.0890)
contains.

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Color

**YIQ(228.9650, -10.0870,
1.0890)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE7F2
RGB	220, 231, 242
RGB Percent	86%, 91%, 95%
CMY	0.1373, 0.0941, 0.0510
CMYK	0.09, 0.05, 0.00, 0.05
HSL	210°, 46%, 91%
HSV	210°, 9%, 95%
XYZ	74.1161, 78.7794, 95.2943
YIQ	228.9650, -10.0870, 1.0890

Conversions

Conversions Part 2

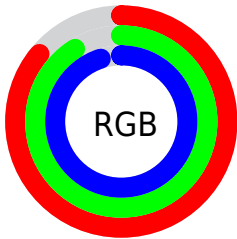
Format	Color
R _Y B	220, 227, 242
Decimal	14477298
CIE Lab	91.13, -1.57, -6.59
CIE LCh	91, 6.778, 256.602
Yxy	78.7794, 0.2986, 0.3174
Android (android.graphics.Color)	4292667378 (0xFFDCE7F2)
YUV	228.9650, 6.4263, -7.8623
Hunter-Lab	88.7577, -6.2718, -1.5260

Details

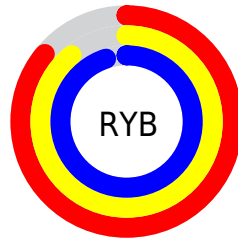
The YIQ color $228.9650, -10.0870, 1.0890$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $233.0350, 10.0870, -1.0890$, and the grayscale version is $229.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $255.0000, -0.0000, -0.0000$, and $173.2640, -9.4910, 1.3010$ is the 20% darker color. If you saturate the color by 10%, you get $214.7450, -21.0910, 2.2770$, and if you desaturate by 10%, it is $243.1850, 0.9170, -0.0990$.

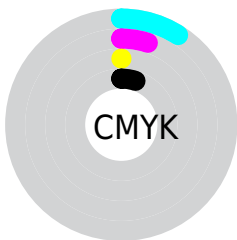
Distribution



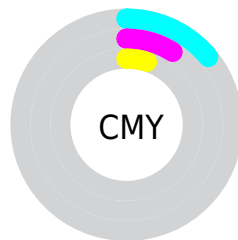
- Red (86%)
- Green (91%)
- Blue (95%)



- Red (86%)
- Yellow (89%)
- Blue (95%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (14%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 228.9650, -10.0870, 1.0890 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 228.9650, -10.0870, 1.0890 by changing the saturation by 10% instead.

■ 228.9650,
-10.0870, 1.0890

■ 228.9650,
-10.0870, 1.0890

255.0000, -0.0000,
-0.0000

■ 200.9650,
-10.0870, 1.0890

■ 173.2640, -9.4910,
1.3010

■ 147.1500, -9.1700,
0.9900

■ 121.1500, -9.1700,
0.9900

■ 96.1500, -9.1700,
0.9900

■ 72.3350, -8.2530,
0.8910

■ 50.2210, -7.9320,

0.5800

■ 29.2210, -7.9320,
0.5800

■ 5.5740, -7.4280,
2.4600

■ 228.9650,
-10.0870, 1.0890

■ 228.9650,
-10.0870, 1.0890

■ 214.7450,
-21.0910, 2.2770

■ 243.1850, 0.9170,
-0.0990

■ 200.5250,
-32.0950, 3.4650

■ 253.5180, 4.1730,
-4.0430

■ 186.0060,
-43.6950, 4.4410

■ 171.7860,
-54.6990, 5.6290

■ 157.5660,
-65.7030, 6.8170

■ 143.3460,
-76.7070, 8.0050

■ 128.5390,
-87.4360, 9.7160

■ 114.0200,
-99.0360, 10.6920

■ 99.8000,
-110.0400, 11.8800

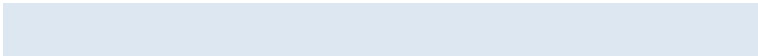
Harmonies

Analogous

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



228.3020, -12.6540, -1.9500



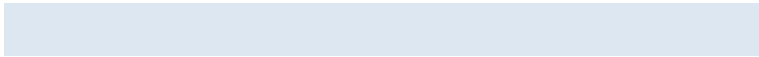
228.9650, -10.0870, 1.0890



229.8840, -5.3650, 3.6190

Triad

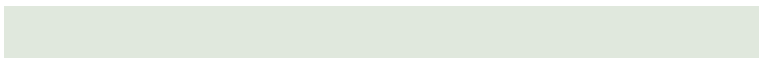
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228.9650, -10.0870, 1.0890



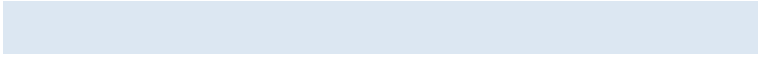
230.7950, 11.0030, 4.3390



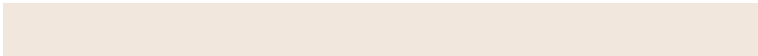
228.3540, -1.2370, -5.1170

Complementary

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



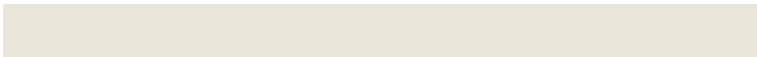
228.9650, -10.0870, 1.0890



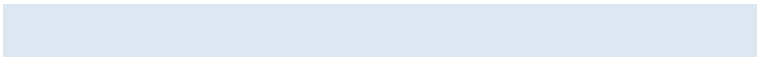
233.0350, 10.0870, -1.0890

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.



228.8170, 4.7690, -3.8310



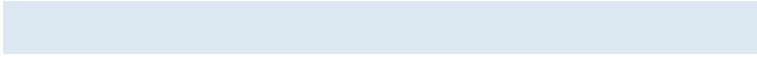
228.9650, -10.0870, 1.0890



230.3990, 12.0580, 1.7380

Square

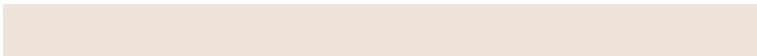
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



228.9650, -10.0870, 1.0890



231.2830, 6.6930, 5.3570



229.7360, 9.4910, -1.3010



227.4180, -7.2890, -5.5690

Rectangle

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



228.9650, -10.0870, 1.0890



230.2760, -0.5970, 5.3150



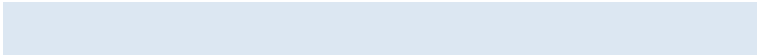
229.7360, 9.4910, -1.3010



228.7240, 0.5970, -5.3150

Sweetspot

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



228.9650, -10.0870, 1.0890



250.2600, -3.6680, 0.3960



234.1680, -9.5810, -8.0850



124.4450, -2.7510, 0.2970



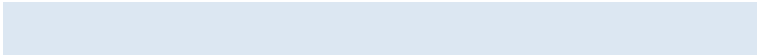
0.0000, 0.0000, 0.0000



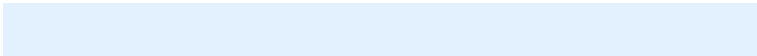
128.0000, -0.0000, -0.0000

Same Dimension

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



228.9650, -10.0870, 1.0890



238.4100, -12.8380, 1.3860



222.5080, -7.0620, 6.8420



112.8900, -5.5020, 0.5940



74.9800, -84.3640, 9.1080



22.8200, -25.6760, 2.7720

Inverse Universe

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



227.8320, 9.5810, 8.0850



236.9680, 12.1940, 10.2900



239.4920, 7.0620, -6.8420



112.2720, 5.2260, 4.4100



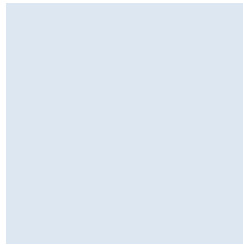
65.5040, 80.1320, 67.6200



19.9360, 24.3880, 20.5800

Previews

White Background



This preview shows how the YIQ color 228.9650, -10.0870, 1.0890 looks on a white background.

Color Contrast Check

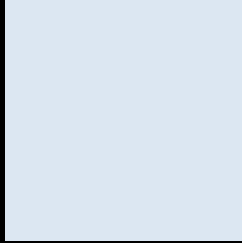
Large Text (above 18pt) WCAG AA × Fail

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 228.9650, -10.0870, 1.0890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

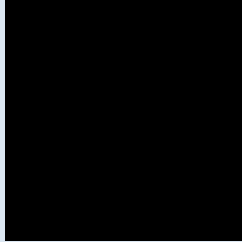
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

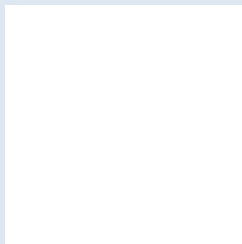
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 228.9650, -10.0870, 1.0890

Background



This preview shows how black text looks on a background with the YIQ color 228.9650, -10.0870, 1.0890.



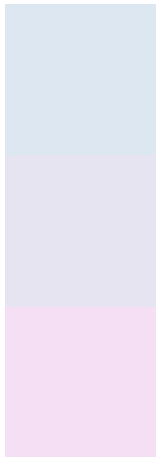
This preview shows how white text looks on a background with the YIQ color 228.9650, -10.0870,

1.0890.

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

228.9650, -10.0870, 1.0890

Protanopia

229.9660, -2.6600, 4.1560

Deuteranopia

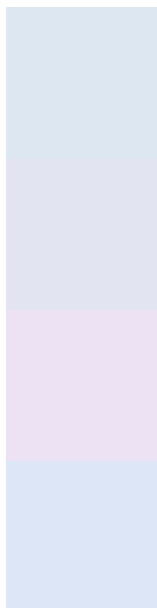
231.9720, 6.3710, 11.1950



Tritanopia

229.3610, -11.1420, 3.6900

Trichromacy



Original Color

228.9650, -10.0870, 1.0890

Protanomaly

229.4710, -5.6400, 3.0960

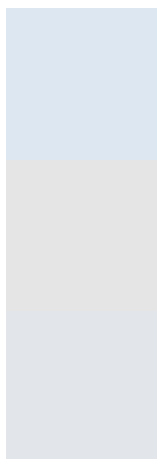
Deuteranomaly

230.9280, 0.5030, 7.4070

Tritanomaly

229.1330, -10.5000, 3.0680

Monochromacy



Original Color

228.9650, -10.0870, 1.0890

Achromatopsia

229.0000, -0.0000, -0.0000

Achromatomaly

229.2600, -3.6680, 0.3960

CSS Examples

Text

The CSS property to change the color of the text to YIQ 228.9650, -10.0870, 1.0890 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(220, 231, 242)` looks like.

```
.text, #text, p{  
    color:rgb(220, 231, 242)  
}
```

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(220, 231, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 231, 242) }
```

Border

The CSS property to change the border of an element to YIQ 228.9650, -10.0870, 1.0890 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(220, 231, 242) }
```


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

```
.border{ border-color:rgb(220, 231, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 231, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 231, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 231, 242);  
box-shadow:4px 4px 4px 4px rgb(220, 231,  
242) }
```

Background

The CSS property to change the background color of an element to YIQ 228.9650, -10.0870, 1.0890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 231, 242) }
```

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

```
.background{ background-color: rgb(220,  
231, 242) }
```

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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