

Converting Colors

YIQ(238.4100, -12.8380, 1.3860)

Have a look what the booklet for
YIQ(238.4100, -12.8380, 1.3860)
contains.

YIQ(238.4100, -12.8380, 1.3860)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(238.4100, -12.8380,
1.3860)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F1FF
RGB	227, 241, 255
RGB Percent	89%, 95%, 100%
CMY	0.1098, 0.0549, 0.0001
CMYK	0.11, 0.05, 0.00, 0.00
HSL	210°, 100%, 95%
HSV	210°, 11%, 100%
XYZ	81.1811, 86.4630, 107.0048
YIQ	238.4100, -12.8380, 1.3860

Conversions

Conversions Part 2

Format	Color
R _Y B	227, 236, 255
Decimal	14938623
CIE Lab	94.51, -1.94, -8.31
CIE LCh	95, 8.532, 256.866
Yxy	86.4630, 0.2956, 0.3148
Android (android.graphics.Color)	4293128703 (0xFFE3F1FF)
YUV	238.4100, 8.1789, -10.0066
Hunter-Lab	92.9855, -6.8849, -3.1393

Details

The YIQ color $238.4100, -12.8380, 1.3860$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $243.5900, 12.8380, -1.3860$, and the grayscale version is $238.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $255.0000, -0.0000, -0.0000$, and $182.5950, -11.9210, 1.2870$ is the 20% darker color. If you saturate the color by 10%, you get $223.0050, -24.7590, 2.6730$, and if you desaturate by 10%, it is $253.5160, -1.5130, -0.1130$.

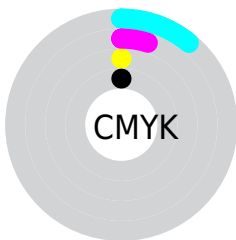
Distribution



- Red (89%)
- Green (95%)
- Blue (100%)



- Red (89%)
- Yellow (93%)
- Blue (100%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 238.4100, -12.8380, 1.3860 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 238.4100, -12.8380, 1.3860 by changing the saturation by 10% instead.

■ 238.4100,
-12.8380, 1.3860

■ 238.4100,
-12.8380, 1.3860

255.0000, -0.0000,
-0.0000

■ 210.2960,
-12.5170, 1.0750

■ 182.5950,
-11.9210, 1.2870

■ 155.5950,
-11.9210, 1.2870

■ 129.5950,
-11.9210, 1.2870

■ 104.4810,
-11.6000, 0.9760

■ 80.3670, -11.2790,
0.6650

■ 57.6660, -10.6830,

0.8770

■ 35.5520, -10.3620,
0.5660

■ 13.6550, -12.1500,
-0.0700

■ 238.4100,
-12.8380, 1.3860

■ 238.4100,
-12.8380, 1.3860

■ 223.0050,
-24.7590, 2.6730

■ 253.5160, -1.5130,
-0.1130

■ 208.4860,
-36.3590, 3.6490

■ 255.0000, -0.0000,
-0.0000

■ 193.3800,
-47.6840, 5.1480

■ 177.9750,
-59.6050, 6.4350

■ 162.8690,
-70.9300, 7.9340

■ 148.0510,
-83.1260, 8.6980

■ 132.9450,
-94.4510, 10.1970

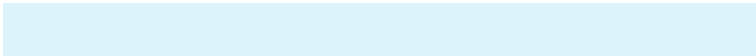
■ 117.5400,
-106.3720, 11.4840

■ 104.2060,
-117.0550, 12.3610

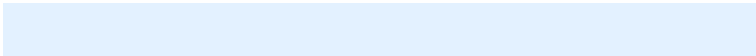
Harmonies

Analogous

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



237.3340, -15.6800, -2.1760



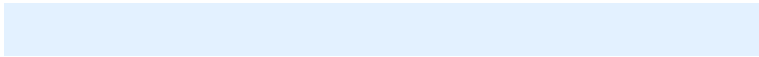
238.4100, -12.8380, 1.3860



239.6390, -6.0530, 5.0750

Triad

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



238.4100, -12.8380, 1.3860



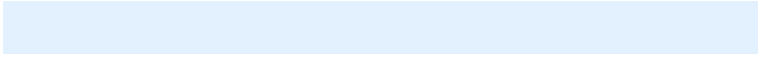
240.3930, 12.1950, 4.7630



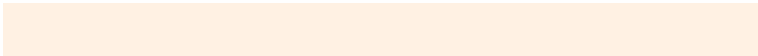
237.4140, -1.4660, -6.4740

Complementary

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



238.4100, -12.8380, 1.3860



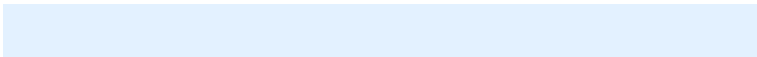
243.5900, 12.8380, -1.3860

Split Complementary

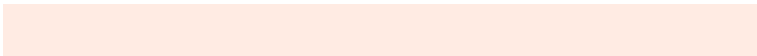
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



238.3610, 6.0530, -5.0750



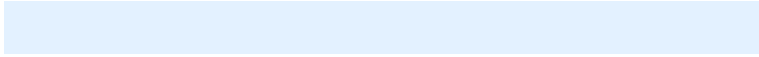
238.4100, -12.8380, 1.3860



240.0680, 14.4880, 1.7520

Square

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



238.4100, -12.8380, 1.3860



241.0060, 9.0310, 7.0390



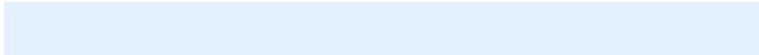
239.2910, 12.2420, -1.5980



236.9940, -9.0310, -7.0390

Rectangle

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



238.4100, -12.8380, 1.3860



240.5040, -1.2390, 5.9370



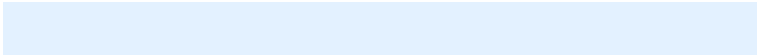
239.2910, 12.2420, -1.5980



238.0830, 0.9640, -6.4600

Sweetspot

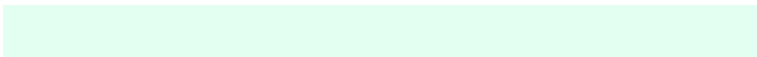
The Sweet Spot groups the original color and five complimentary colors.



238.4100, -12.8380, 1.3860



250.2600, -3.6680, 0.3960



245.0320, -12.1940, -10.2900



124.4450, -2.7510, 0.2970



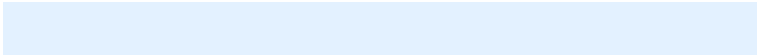
0.0000, 0.0000, 0.0000



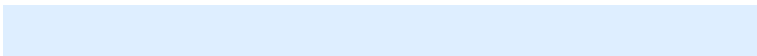
128.0000, -0.0000, -0.0000

Same Dimension

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



238.4100, -12.8380, 1.3860



235.1540, -14.9930, 1.8950



230.1920, -8.9880, 8.7080



120.0040, -5.8230, 0.9050



78.1260, -87.7110, 9.1930



26.0800, -29.3440, 3.1680

Inverse Universe

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



236.9680, 12.1940, 10.2900



233.6910, 14.5320, 11.9720



251.8080, 8.9880, -8.7080



119.5710, 5.8220, 4.6220



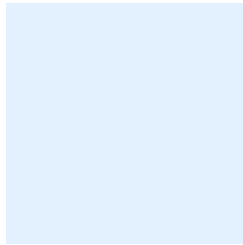
68.0530, 83.0200, 70.3480



22.7840, 27.8720, 23.5200

Previews

White Background



This preview shows how the YIQ color 238.4100, -12.8380, 1.3860 looks on a white background.

Color Contrast Check

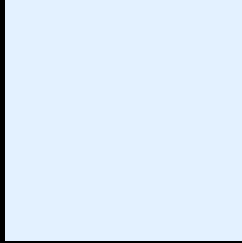
Large Text (above 18pt) WCAG AA × Fail

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 238.4100, -12.8380, 1.3860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

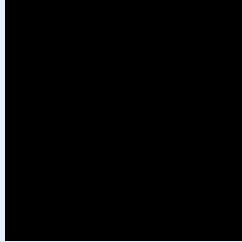
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

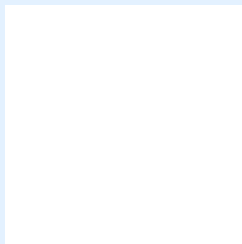
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 238.4100, -12.8380, 1.3860

Background



This preview shows how black text looks on a background with the YIQ color 238.4100, -12.8380, 1.3860.



This preview shows how white text looks on a background with the YIQ color 238.4100, -12.8380,

1.3860.

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

238.4100, -12.8380, 1.3860

Protanopia

240.0090, -4.2190, 4.8770

Deuteranopia

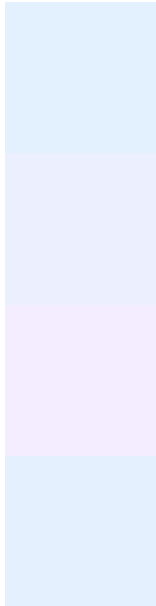
241.4880, 4.8580, 11.0820



Tritanopia

238.7200, -10.7750, 2.5450

Trichromacy



Original Color

238.4100, -12.8380, 1.3860

Protanomaly

239.5140, -7.1990, 3.8170

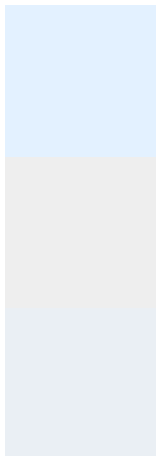
Deuteranomaly

240.5580, -1.3310, 7.6050

Tritanomaly

238.4210, -11.3710, 2.3330

Monochromacy



Original Color

238.4100, -12.8380, 1.3860

Achromatopsia

238.0000, -0.0000, 0.0000

Achromatomaly

238.0750, -4.5850, 0.4950

CSS Examples

Text

The CSS property to change the color of the text to YIQ 238.4100, -12.8380, 1.3860 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(227, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 241, 255)  
}
```

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(227, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 241, 255) }
```

Border

The CSS property to change the border of an element to YIQ 238.4100, -12.8380, 1.3860 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(227, 241, 255) }
```


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

```
.border{ border-color:rgb(227, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 241,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 238.4100, -12.8380, 1.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 241, 255) }
```

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

```
.background{ background-color: rgb(227,  
241, 255) }
```

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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