

Converting Colors

YIQ(240.2310, -5.8650,
-20.3690)

Have a look what the booklet for
YIQ(240.2310, -5.8650, -20.3690)
contains.

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Color

**YIQ(240.2310, -5.8650,
-20.3690)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFD4
RGB	222, 255, 212
RGB Percent	87%, 100%, 83%
CMY	0.1295, 0.0000, 0.1686
CMYK	0.13, 0.00, 0.17, 0.00
HSL	106°, 100%, 92%
HSV	106°, 17%, 100%
XYZ	77.7600, 91.7990, 75.9096
YIQ	240.2310, -5.8650, -20.3690

Conversions

Conversions Part 2

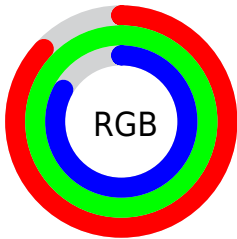
Format	Color
R_{YB}	212, 255, 245
Decimal	14614484
CIE _{Lab}	96.74, -18.30, 17.04
CIE _{LCh}	97, 25.004, 137.054
Yxy	91.7990, 0.3168, 0.3740
Android (android.graphics.Color)	4292804564 (0xFFDEFFD4)
YUV	240.2310, -13.9179, -15.9886
Hunter-Lab	95.8118, -22.8016, 20.0940

Details

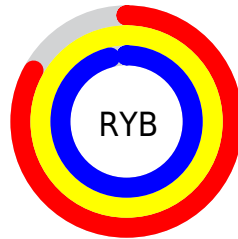
The YIQ color $240.2310, -5.8650, -20.3690$ is a light color, and the websafe version is hex $CCFFCC$. A complement of this color would be $226.7690, 5.8650, 20.3690$, and the grayscale version is $240.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $255.0000, -0.0000, -0.0000$, and $184.0570, -5.3150, -19.3230$ is the 20% darker color. If you saturate the color by 10%, you get $231.4010, -9.7600, -32.3840$, and if you desaturate by 10%, it is $249.1750, -2.2910, -8.0430$.

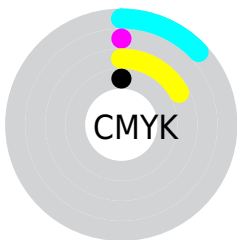
Distribution



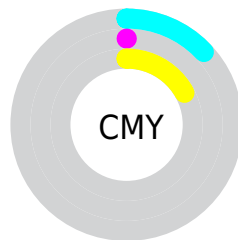
- Red (87%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (96%)



- Cyan (13%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 240.2310, -5.8650, -20.3690 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 240.2310, -5.8650, -20.3690 by changing the saturation by 10% instead.


 240.2310, -5.8650,
-20.3690


 240.2310, -5.8650,
-20.3690

255.0000, -0.0000,
-0.0000


 211.6440, -5.5900,
-19.8460

 184.0570, -5.3150,
-19.3230

 157.1710, -5.6360,
-19.0120

 130.6980, -5.6820,
-18.1780

 105.8120, -6.0030,
-17.8670

 81.2250, -5.7280,
-17.3440

 57.7520, -5.7740,

-16.5100

■ 35.2790, -5.8200,
-15.6760

■ 16.4360, -7.7000,
-14.6440

■ 240.2310, -5.8650,
-20.3690

■ 240.2310, -5.8650,
-20.3690

■ 231.4010, -9.7600,
-32.3840

■ 249.1750, -2.2910,
-8.0430

■ 222.7560,
-12.7380, -44.4980

255.0000, -0.0000,
-0.0000

■ 213.9260,
-16.6330, -56.5130

■ 205.2810,
-19.6110, -68.6270

■ 196.4510,
-23.5060, -80.6420

■ 187.5070,
-27.0800, -92.9680

■ 178.9760,
-30.3790, -104.7710

■ 170.0320,
-33.9530, -117.0970

■ 167.3260,
-34.9610, -120.8570

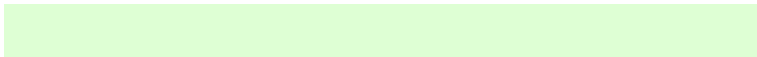
Harmonies

Analogous

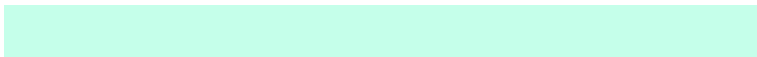
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



243.0120, 16.9210, -14.8150



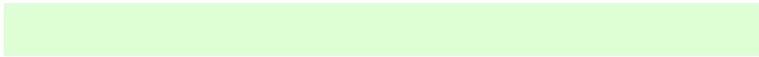
240.2310, -5.8650, -20.3690



235.2640, -27.8270, -18.8270

Triad

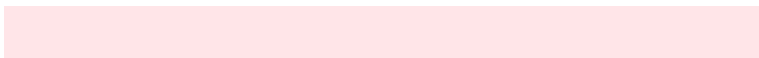
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



240.2310, -5.8650, -20.3690



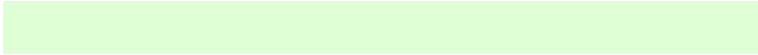
237.7020, -28.7000, -8.5080



237.1160, 14.5330, 6.4450

Complementary

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



240.2310, -5.8650, -20.3690



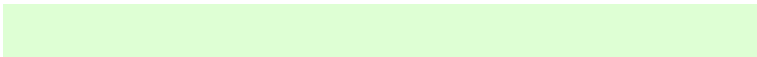
226.7690, 5.8650, 20.3690

Split Complementary

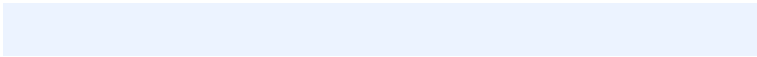
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



240.3250, 6.8750, 13.0750



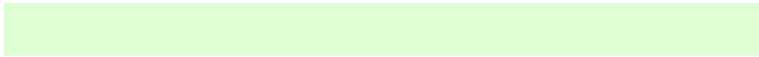
240.2310, -5.8650, -20.3690



242.2750, -8.0240, 2.2480

Square

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



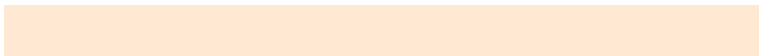
240.2310, -5.8650, -20.3690



233.7710, -42.3160, -15.0520



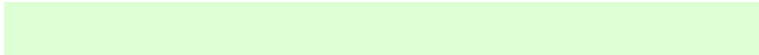
243.2600, 5.5000, 10.4600



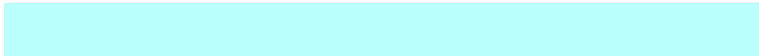
237.0700, 20.1740, -2.1780

Rectangle

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



240.2310, -5.8650, -20.3690



233.6140, -40.4360, -16.0840



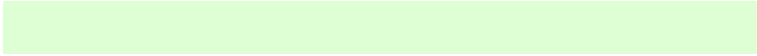
243.2600, 5.5000, 10.4600



238.1420, 11.6440, 9.2440

Sweetspot

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



240.2310, -5.8650, -20.3690



250.5280, -1.7870, -6.1630



244.2280, 16.5530, -8.1430



125.2940, -1.0080, -3.7600



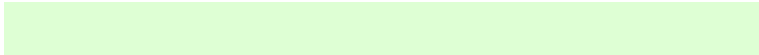
0.0000, 0.0000, 0.0000



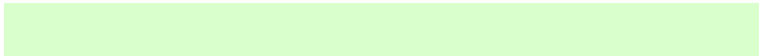
128.0000, -0.0000, -0.0000

Same Dimension

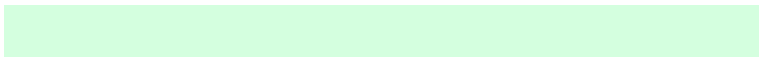
The Same Dimension uses a secret algorithm to generate beautiful new colors.



240.2310, -5.8650, -20.3690



237.5250, -6.8730, -24.1290



238.4950, -15.3560, -19.0680



123.5280, -1.7870, -6.1630



125.2730, -26.3010, -90.5650



42.0530, -8.6600, -30.2920

Inverse Universe

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



226.7690, 5.8650, 20.3690



221.4750, 6.8730, 24.1290



228.5050, 15.3560, 19.0680



119.4720, 1.7870, 6.1630



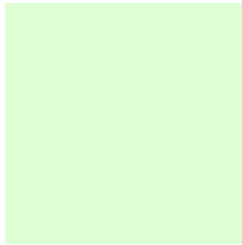
65.7270, 26.3010, 90.5650



21.9470, 8.6600, 30.2920

Previews

White Background



This preview shows how the YIQ color 240.2310, -5.8650, -20.3690 looks on a white background.

Color Contrast Check

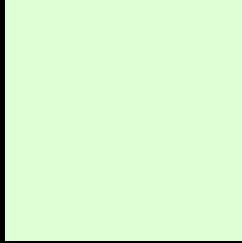
Large Text (above 18pt) WCAG AA × Fail

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 240.2310, -5.8650, -20.3690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

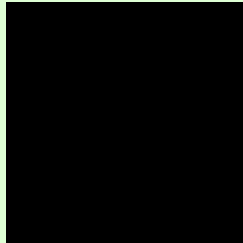
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

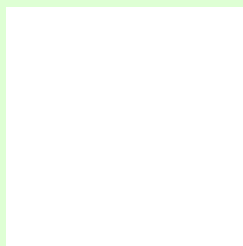
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 240.2310, -5.8650, -20.3690

Background



This preview shows how black text looks on a background with the YIQ color 240.2310, -5.8650, -20.3690.



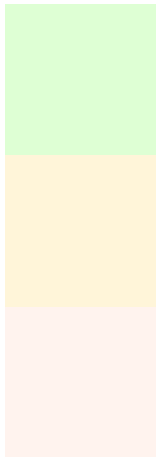
This preview shows how white text looks on a background with the YIQ color 240.2310, -5.8650,

-20.3690.

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

240.2310, -5.8650, -20.3690

Protanopia

244.7980, 14.9480, -6.5880

Deuteranopia

246.0180, 8.7570, 0.9890

Tritanopia

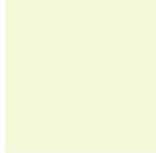
244.9330, -7.0610, 1.3150

Trichromacy



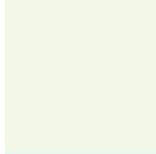
Original Color

240.2310, -5.8650, -20.3690



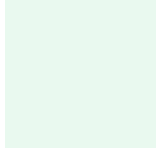
Protanomaly

243.3300, 7.3380, -11.8460



Deuteranomaly

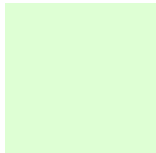
243.7520, 3.3940, -6.4460



Tritanomaly

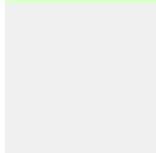
243.0760, -6.3260, -6.5020

Monochromacy



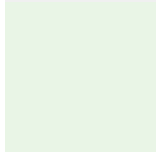
Original Color

240.2310, -5.8650, -20.3690



Achromatopsia

240.0000, -0.0000, -0.0000



Achromatomaly

239.7020, -2.3370, -7.2090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 240.2310, -5.8650, -20.3690 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(222, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 212)  
}
```

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(222, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 212) }
```

Border

The CSS property to change the border of an element to YIQ 240.2310, -5.8650, -20.3690 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(222, 255, 212) }
```


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

```
.border{ border-color:rgb(222, 255, 212) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
212) }
```

Background

The CSS property to change the background color of an element to YIQ 240.2310, -5.8650, -20.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 212) }
```

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

```
.background{ background-color: rgb(222,  
255, 212) }
```

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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