

Converting Colors

YIQ(212.4020, -36.7230,
-11.7870)

Have a look what the booklet for
YIQ(212.4020, -36.7230, -11.7870)
contains.

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Color

**YIQ(212.4020, -36.7230,
-11.7870)**

Conversions

Conversions Part 1

Format	Color
Hex	AAE6E9
RGB	170, 230, 233
RGB Percent	67%, 90%, 91%
CMY	0.3335, 0.0979, 0.0864
CMYK	0.27, 0.01, 0.00, 0.09
HSL	183°, 59%, 79%
HSV	183°, 27%, 91%
XYZ	59.5762, 71.0308, 87.6328
YIQ	212.4020, -36.7230, -11.7870

Conversions

Conversions Part 2

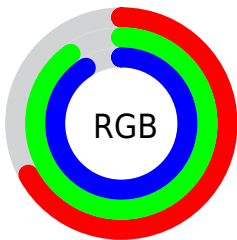
Format	Color
R _Y B	170, 201, 233
Decimal	11200233
CIE Lab	87.50, -18.21, -7.59
CIE LCh	87, 19.732, 202.618
Yxy	71.0308, 0.2730, 0.3255
Android (android.graphics.Color)	4289390313 (0xFFAAE6E9)
YUV	212.4020, 10.1548, -37.1866
Hunter-Lab	84.2797, -21.3103, -2.6530

Details

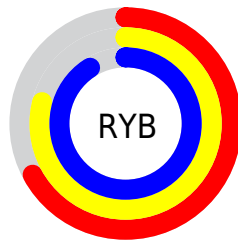
The YIQ color **212.4020, -36.7230, -11.7870** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **190.5980, 36.7230, 11.7870**, and the grayscale version is **212.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **246.6280, -16.6880, -5.9360**, and **157.0000, -35.5310, -11.3630** is the 20% darker color. If you saturate the color by 10%, you get **204.9380, -50.1560, -16.1400**, and if you desaturate by 10%, it is **219.8660, -23.2900, -7.4340**.

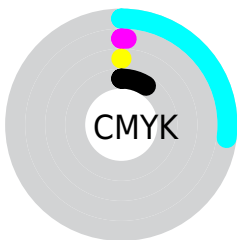
Distribution



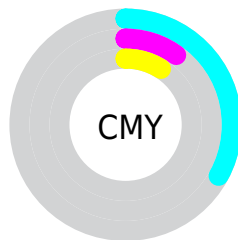
- Red (67%)
- Green (90%)
- Blue (91%)



- Red (67%)
- Yellow (79%)
- Blue (91%)



- Cyan (27%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (33%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 212.4020, -36.7230, -11.7870 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 212.4020, -36.7230, -11.7870 by changing the saturation by 10% instead.

■ 212.4020,
-36.7230, -11.7870

■ 212.4020,
-36.7230, -11.7870

■ 255.0000, -0.0000,
-0.0000

■ 184.7010,
-36.1270, -11.5750

■ 246.6280,
-16.6880, -5.9360

■ 157.0000,
-35.5310, -11.3630

■ 130.7010,
-36.1270, -11.5750

■ 104.7010,
-36.1270, -11.5750

■ 79.1030, -37.3190,
-11.9990

■ 51.8140, -43.8750,
-14.3310

■ 35.3920, -30.7630,

-9.6670

■ 21.2580, -18.5220,
-5.7380

■ 0.9120, -2.5680,
2.4880

■ 212.4020,
-36.7230, -11.7870

■ 212.4020,
-36.7230, -11.7870

■ 204.9380,
-50.1560, -16.1400

■ 219.8660,
-23.2900, -7.4340

■ 197.1750,
-64.1850, -20.7050

■ 227.6290, -9.2610,
-2.8690

■ 189.7110,
-77.6180, -25.0580

■ 235.0930, 4.1720,
1.4840

■ 182.2470,
-91.0510, -29.4110

■ 240.1650, 12.8370,
4.1410

■ 174.4840,
-105.0800, -33.9760

■ 240.7520, 12.5620,
3.6180

■ 167.0200,
-118.5130, -38.3290

■ 241.9260, 12.0120,
2.5720

■ 158.9690,
-131.6710, -42.1590

■ 242.5130, 11.7370,
2.0490

■ 156.8760,
-135.8430, -43.6430

■ 243.1000, 11.4620,
1.5260

■ 243.6870, 11.1870,
1.0030

Harmonies

Analogous

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



212.9270, -25.2600, -15.7880



212.4020, -36.7230, -11.7870



213.8460, -37.7330, -4.4930

Triad

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



212.4020, -36.7230, -11.7870



222.3190, 7.0120, 16.1000



219.0010, 24.6220, -5.6980

Complementary

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



212.4020, -36.7230, -11.7870



190.5980, 36.7230, 11.7870

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.



221.1640, 31.7730, 2.3730



212.4020, -36.7230, -11.7870



223.1050, 22.2340, 15.5620

Square

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



212.4020, -36.7230, -11.7870



220.6310, -11.6020, 12.0300



221.2380, 28.9290, 9.8650



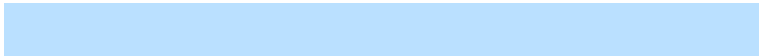
217.4720, 9.8140, -12.6660

Rectangle

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



212.4020, -36.7230, -11.7870



216.1720, -32.5990, 1.5850



221.2380, 28.9290, 9.8650



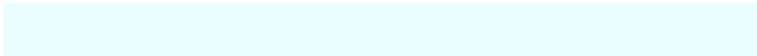
219.5500, 27.5100, -2.9700

Sweetspot

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



212.4020, -36.7230, -11.7870



248.4330, -11.6450, -3.7170



207.2090, -17.9670, -32.3270



123.5260, -7.4730, -2.2330



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.



212.4020, -36.7230, -11.7870



228.1340, -47.7720, -15.2920



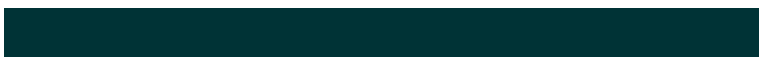
194.2050, -28.1980, 4.4260



113.7110, -6.5560, -2.3320



122.1850, -105.6760, -34.1880



36.0930, -31.3590, -9.8790

Inverse Universe

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



195.6770, 18.2880, 32.0160



206.4100, 23.8340, 41.6420



208.7950, 28.1980, -4.4260



110.5430, 3.0250, 5.7530



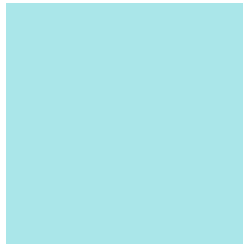
73.8410, 52.3430, 92.1750



21.9600, 15.8130, 27.3090

Previews

White Background



This preview shows how the YIQ color 212.4020, -36.7230, -11.7870 looks on a white background.

Color Contrast Check

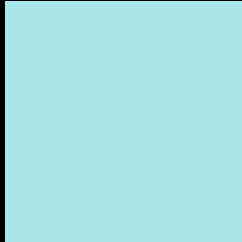
Large Text (above 18pt) WCAG AA × Fail

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 212.4020, -36.7230, -11.7870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

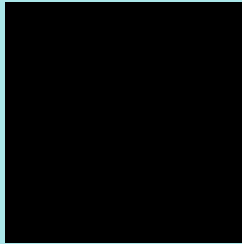
Any Text WCAG AA ✓ Pass

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 212.4020, -36.7230, -11.7870 Background



This preview shows how black text looks on a background with the YIQ color 212.4020, -36.7230, -11.7870.



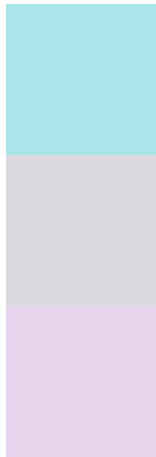
This preview shows how white text looks on a background with the YIQ color 212.4020, -36.7230, -11.7870.

-11.7870.

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

212.4020, -36.7230, -11.7870

Protanopia

218.8090, -0.7800, 3.1240

Deuteranopia

220.8300, 3.8950, 12.0150



Tritanopia

213.6070, -38.5580, -6.0620

Trichromacy



Original Color

212.4020, -36.7230, -11.7870

Protanomaly

216.7040, -13.8460, -2.3740

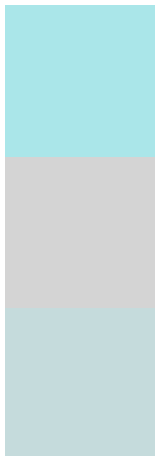
Deuteranomaly

217.9480, -11.4170, 3.1670

Tritanomaly

213.3250, -37.8240, -8.3520

Monochromacy



Original Color

212.4020, -36.7230, -11.7870

Achromatopsia

212.0000, -0.0000, -0.0000

Achromatomaly

212.5360, -13.4330, -4.3530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 212.4020, -36.7230, -11.7870 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(170, 230, 233)` looks like.

```
.text, #text, p{  
    color:rgb(170, 230, 233)  
}
```

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(170, 230, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 230, 233) }
```

Border

The CSS property to change the border of an element to YIQ 212.4020, -36.7230, -11.7870 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(170, 230, 233) }
```


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

```
.border{ border-color:rgb(170, 230, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 230, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 230, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 230, 233);  
box-shadow:4px 4px 4px 4px rgb(170, 230,  
233) }
```

Background

The CSS property to change the background color of an element to YIQ 212.4020, -36.7230, -11.7870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 230, 233) }
```

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

```
.background{ background-color: rgb(170,  
230, 233) }
```

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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