

Converting Colors

YIQ(172.9610, -120.0250,
-43.9690)

Have a look what the booklet for
YIQ(172.9610, -120.0250, -43.9690)
contains.

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Color

**YIQ(172.9610, -120.0250,
-43.9690)**

Conversions

Conversions Part 1

Format	Color
Hex	1FEAE7
RGB	31, 234, 231
RGB Percent	12%, 92%, 91%
CMY	0.8788, 0.0820, 0.0946
CMYK	0.87, 0.00, 0.01, 0.08
HSL	179°, 83%, 52%
HSV	179°, 87%, 92%
XYZ	44.4152, 64.9463, 85.7068
YIQ	172.9610, -120.0250, -43.9690

Conversions

Conversions Part 2

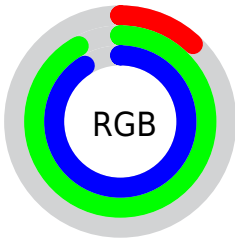
Format	Color
R _{YB}	31, 133, 234
Decimal	2091751
CIE Lab	84.46, -45.00, -11.46
CIE LCh	84, 46.435, 194.293
Yxy	64.9463, 0.2277, 0.3329
Android (android.graphics.Color)	4280281831 (0xFF1FEAE7)
YUV	172.9610, 28.6132, -124.4998
Hunter-Lab	80.5893, -42.6545, -6.6425

Details

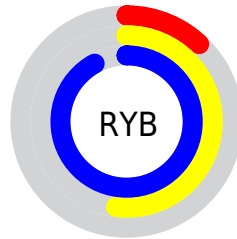
The YIQ color **172.9610, -120.0250, -43.9690** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **92.0390, 120.0250, 43.9690**, and the grayscale version is **173.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **214.9340, -79.8640, -28.4080**, and **123.9630, -105.1710, -37.8350** is the 20% darker color. If you saturate the color by 10%, you get **165.7850, -134.3290, -49.0570**, and if you desaturate by 10%, it is **179.8380, -106.3170, -39.0930**.

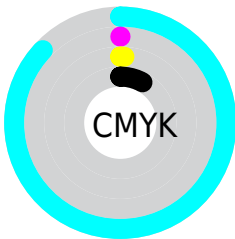
Distribution



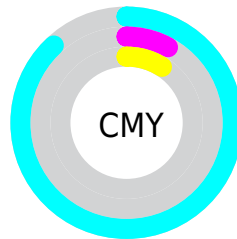
- Red (12%)
- Green (92%)
- Blue (91%)



- Red (12%)
- Yellow (52%)
- Blue (92%)



- Cyan (87%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (88%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 172.9610, -120.0250, -43.9690 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 172.9610, -120.0250, -43.9690 by changing the saturation by 10% instead.

172.9610,
-120.0250, -43.9690

172.9610,
-120.0250, -43.9690

255.0000, -0.0000,
-0.0000

143.4770,
-121.5380, -44.0820

214.9340,
-79.8640, -28.4080

124.4360,
-105.1250, -38.6690

225.1000,
-59.6000, -21.2000

105.0360,
-89.0790, -32.1110

234.9670,
-39.9320, -14.2040

86.8100, -73.5830,
-26.5990

244.5350,
-20.8600, -7.4200

68.6980, -58.4080,
-20.7760

254.1030, -1.7880,
-0.6360

51.2870, -43.8290,
-15.1650

35.2780, -30.4420,

-9.9780

■ 18.2090, -16.8260,
-3.4340

■ 0.5700, -1.6050,
1.5550

■ 172.9610,
-120.0250, -43.9690

■ 172.9610,
-120.0250, -43.9690

■ 165.7850,
-134.3290, -49.0570

■ 179.8380,
-106.3170, -39.0930

■ 163.5780,
-138.1800, -50.8520

■ 187.1280,
-92.3340, -33.6940

■ 194.0050,
-78.6260, -28.8180

■ 201.1810,
-64.3220, -23.7300

■ 208.1720,
-50.9350, -18.5430

■ 215.0490,
-37.2270, -13.6670

■ 222.2250,
-22.9230, -8.5790

■ 229.2160, -9.5360,
-3.3920

■ 236.3920, 4.7680,
1.6960

Harmonies

Analogous

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



190.8760, -56.7540, -39.7460



172.9610, -120.0250, -43.9690



164.6670, -145.3800, -41.5080

Triad

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



172.9610, -120.0250, -43.9690



214.1320, 9.5770, 30.1930



208.0090, 56.5340, -11.3540

Complementary

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



172.9610, -120.0250, -43.9690



92.0390, 120.0250, 43.9690

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.



202.1680, 52.3130, 4.5770



172.9610, -120.0250, -43.9690



208.2220, 26.9990, 33.8390

Square

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



172.9610, -120.0250, -43.9690



205.2850, -31.1790, 8.8930



201.9180, 41.9940, 20.8900



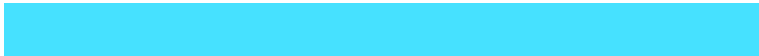
205.5230, 30.9990, -27.6650

Rectangle

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



172.9610, -120.0250, -43.9690



182.0750, -102.0100, -23.5300



201.9180, 41.9940, 20.8900



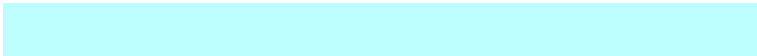
205.8720, 55.6620, -6.5620

Sweetspot

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



172.9610, -120.0250, -43.9690



235.1520, -39.0150, -14.3030



151.0580, -54.0370, -105.5330



115.9260, -23.5190, -8.7910



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.



172.9610, -120.0250, -43.9690



178.2990, -150.6960, -55.3040



115.7770, -94.0380, 8.2180



113.7110, -6.5560, -2.3320



126.5390, -106.9130, -39.3050



37.7400, -31.8630, -11.7590

Inverse Universe

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



92.0390, 120.0250, 43.9690



76.7010, 150.6960, 55.3040



149.2230, 94.0380, -8.2180



109.2890, 6.5560, 2.3320



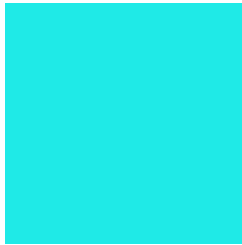
54.4610, 106.9130, 39.3050



16.2600, 31.8630, 11.7590

Previews

White Background



This preview shows how the YIQ color 172.9610, -120.0250, -43.9690 looks on a white background.

Color Contrast Check

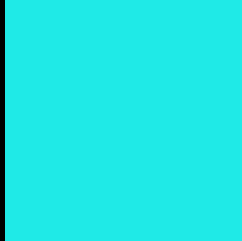
Large Text (above 18pt) WCAG AA × Fail

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 172.9610, -120.0250, -43.9690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

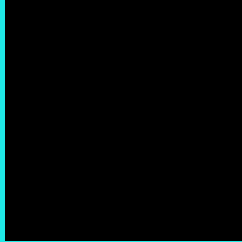
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

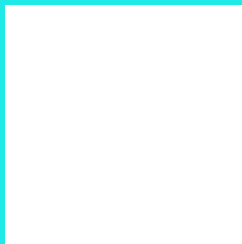
Any Text WCAG AAA ✓ Pass

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

YIQ 172.9610, -120.0250, -43.9690 Background



This preview shows how black text looks on a background with the YIQ color 172.9610, -120.0250, -43.9690.



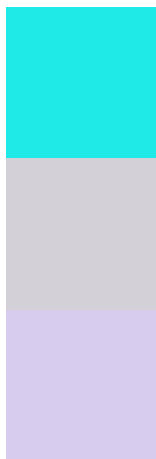
This preview shows how white text looks on a background with the YIQ color 172.9610, -120.0250, -43.9690.

-43.9690.

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

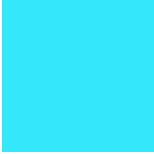
172.9610, -120.0250, -43.9690

Protanopia

209.6950, -0.4590, 2.8130

Deuteranopia

211.4640, -3.7620, 13.1180



Tritanopia

179.9440, -112.1870, -31.8270

Trichromacy



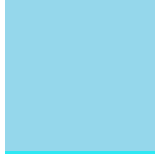
Original Color

172.9610, -120.0250, -43.9690



Protanomaly

196.2270, -43.6000, -13.8080



Deuteranomaly

197.5460, -45.7560, -7.7720



Tritanomaly

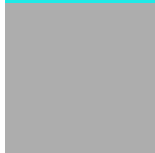
177.3410, -114.9830, -36.2230

Monochromacy



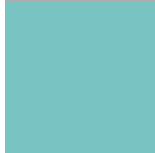
Original Color

172.9610, -120.0250, -43.9690



Achromatopsia

173.0000, -0.0000, 0.0000



Achromatomaly

172.7600, -43.7830, -15.9990

CSS Examples

Text

The CSS property to change the color of the text to YIQ 172.9610, -120.0250, -43.9690 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(31, 234, 231)` looks like.

```
.text, #text, p{  
    color:rgb(31, 234, 231)  
}
```

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(31, 234, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 234, 231) }
```

Border

The CSS property to change the border of an element to YIQ 172.9610, -120.0250, -43.9690 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(31, 234, 231) }
```


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

```
.border{ border-color:rgb(31, 234, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 234, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 234, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 234, 231);  
box-shadow:4px 4px 4px 4px rgb(31, 234,  
231) }
```

Background

The CSS property to change the background color of an element to YIQ 172.9610, -120.0250, -43.9690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 234, 231) }
```

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

```
.background{ background-color: rgb(31, 234,  
231) }
```

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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