

Converting Colors

YIQ(33.5060, 4.4470, 2.0070)

Have a look what the booklet for
YIQ(33.5060, 4.4470, 2.0070)
contains.

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Color

YIQ(33.5060, 4.4470, 2.0070)

Conversions

Conversions Part 1

Format	Color
Hex	271F20
RGB	39, 31, 32
RGB Percent	15%, 12%, 13%
CMY	0.8470, 0.8784, 0.8745
CMYK	0.00, 0.21, 0.18, 0.85
HSL	352°, 11%, 14%
HSV	352°, 21%, 15%
XYZ	1.5876, 1.5155, 1.5757
YIQ	33.5060, 4.4470, 2.0070

Conversions

Conversions Part 2

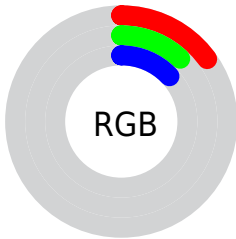
Format	Color
RYB	39, 31, 32
Decimal	2563872
CIELab	12.71, 4.08, 0.76
CIElCh	13, 4.145, 10.513
Yxy	1.5155, 0.3393, 0.3239
Android (android.graphics.Color)	4280753952 (0xFF271F20)
YUV	33.5060, -0.7425, 4.8182
Hunter-Lab	12.3107, 1.4751, 1.0289

Details

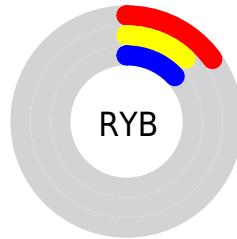
The YIQ color **33.5060, 4.4470, 2.0070** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **36.4940, -4.4470, -2.0070**, and the grayscale version is **34.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **77.8050, 5.0430, 2.2190**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **30.8160, 6.5100, 3.1660**, and if you desaturate by 10%, it is **36.1960, 2.3840, 0.8480**.

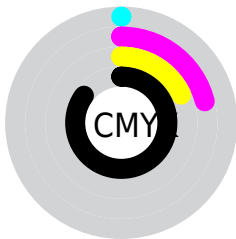
Distribution



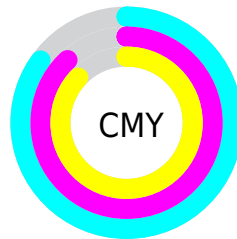
- Red (15%)
- Green (12%)
- Blue (13%)



- Red (15%)
- Yellow (12%)
- Blue (13%)



- Cyan (0%)
- Magenta (21%)
- Yellow (18%)
- Black (85%)



- Cyan (85%)
- Magenta (88%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 33.5060, 4.4470, 2.0070 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 33.5060, 4.4470, 2.0070 by changing the saturation by 10% instead.

■ 33.5060, 4.4470,
2.0070

■ 33.5060, 4.4470,
2.0070

■ 255.0000, -0.0000,
-0.0000

■ 10.7020, 6.8310,
2.8550

■ 77.8050, 5.0430,
2.2190

■ 0.0000, 0.0000,
0.0000

■ 101.8050, 5.0430,
2.2190

■ 126.5170, 5.9140,
2.9540

■ 152.4030, 6.2350,
2.6430

■ 179.4030, 6.2350,
2.6430

■ 206.5170, 5.9140,

2.9540

■ 234.8160, 6.5100,
3.1660

■ 33.5060, 4.4470,
2.0070

■ 33.5060, 4.4470,
2.0070

■ 30.8160, 6.5100,
3.1660

■ 36.1960, 2.3840,
0.8480

■ 28.0120, 8.8940,
4.0140

■ 39.0000, -0.0000,
-0.0000

■ 25.3220, 10.9570,
5.1730

■ 41.6900, -2.0630,
-1.1590

■ 22.5180, 13.3410,
6.0210

■ 44.4940, -4.4470,
-2.0070

■ 19.8280, 15.4040,
7.1800

■ 47.1840, -6.5100,
-3.1660

■ 17.7250, 17.1920,
7.8160

■ 49.2870, -8.2980,
-3.8020

■ 14.9210, 19.5760,
8.6640

■ 52.0910, -10.6820,
-4.6500

■ 12.2310, 21.6390,
9.8230

■ 54.7810, -12.7450,
-5.8090

■ 57.5850, -15.1290,
-6.6570

Harmonies

Analogous

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



33.5490, 2.8880, 2.7280



33.5060, 4.4470, 2.0070



33.1640, 5.4100, 1.0740

Triad

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



33.5060, 4.4470, 2.0070



32.5330, -0.1830, -2.1910



32.6620, -4.8600, -0.0280

Complementary

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



33.5060, 4.4470, 2.0070



36.4940, -4.4470, -2.0070

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.



31.9500, -5.7310, -0.7630



33.5060, 4.4470, 2.0070



31.8640, -2.6130, -2.2050

Square

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



33.5060, 4.4470, 2.0070



32.6150, 2.5220, -1.6540



32.1950, -5.0430, -2.2190



33.0860, -3.1180, 1.4420

Rectangle

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



33.5060, 4.4470, 2.0070



33.3380, 4.8600, 0.0280



32.1950, -5.0430, -2.2190



32.3630, -5.4560, -0.2400

Sweetspot

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



33.5060, 4.4470, 2.0070



48.8970, 1.7880, 0.6360



34.0050, 1.6040, 3.9720



24.5980, 1.1920, 0.4240



153.0000, 0.0000, -0.0000



26.0000, -0.0000, -0.0000

Same Dimension

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



33.5060, 4.4470, 2.0070



42.1150, 7.1060, 3.3780



35.1530, 3.9430, 0.1270



18.7120, 0.8710, 0.7350



26.3700, 46.5330, 21.2290



66.4660, 117.6850, 53.3410

Inverse Universe

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



33.5060, 4.4470, 2.0070



42.1150, 7.1060, 3.3780



34.8470, -3.9430, -0.1270



18.7120, 0.8710, 0.7350



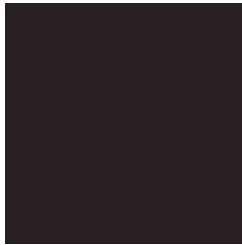
26.3700, 46.5330, 21.2290



66.4660, 117.6850, 53.3410

Previews

White Background



This preview shows how the YIQ color 33.5060, 4.4470, 2.0070 looks on a white background.

Color Contrast Check

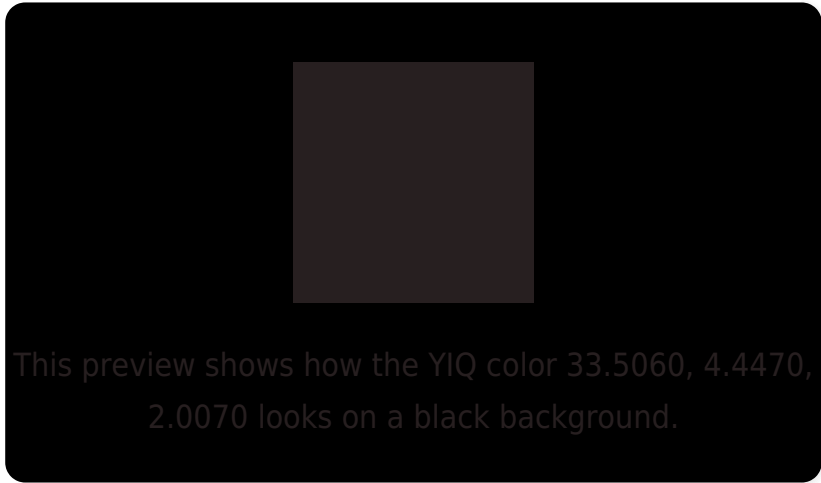
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

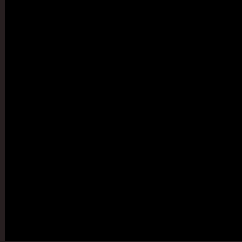
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 33.5060, 4.4470, 2.0070

Background



This preview shows how black text looks on a background with the YIQ color 33.5060, 4.4470, 2.0070.

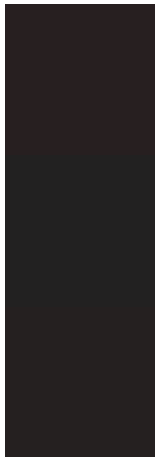


This preview shows how white text looks on a background with the YIQ color 33.5060, 4.4470, 2.0070.

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

33.5060, 4.4470, 2.0070

Protanopia

33.2990, 0.5960, 0.2120

Deuteranopia

33.4950, 2.9800, 1.0600



Tritanopia

33.6200, 4.1260, 2.3180

Trichromacy



Original Color

33.5060, 4.4470, 2.0070

Protanomaly

33.3100, 2.0630, 1.1590

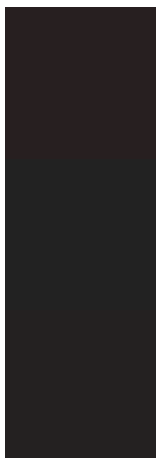
Deuteranomaly

33.7940, 3.5760, 1.2720

Tritanomaly

33.6200, 4.1260, 2.3180

Monochromacy



Original Color

33.5060, 4.4470, 2.0070

Achromatopsia

34.0000, -0.0000, 0.0000

Achromatomaly

33.8970, 1.7880, 0.6360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 33.5060, 4.4470, 2.0070 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(39, 31, 32)` looks like.

```
.text, #text, p{  
    color:rgb(39, 31, 32)  
}
```

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(39, 31, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 31, 32) }
```

Border

The CSS property to change the border of an element to YIQ 33.5060, 4.4470, 2.0070 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(39, 31, 32) }
```

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

```
.border{ border-color:rgb(39, 31, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 31, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 31, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 31, 32);  
box-shadow:4px 4px 4px 4px rgb(39, 31, 32)  
}
```


Background

The CSS property to change the background color of an element to YIQ 33.5060, 4.4470, 2.0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 31, 32) }
```

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

```
.background{ background-color: rgb(39, 31,  
32) }
```

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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