

Converting Colors

YIQ(41.8570, -9.9030, -2.2470)

Have a look what the booklet for
YIQ(41.8570, -9.9030, -2.2470)
contains.

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Color

**YIQ(41.8570, -9.9030,
-2.2470)**

Conversions

Conversions Part 1

Format	Color
Hex	1F2E31
RGB	31, 46, 49
RGB Percent	12%, 18%, 19%
CMY	0.8785, 0.8196, 0.8079
CMYK	0.37, 0.06, 0.00, 0.81
HSL	190°, 23%, 16%
HSV	190°, 37%, 19%
XYZ	2.0962, 2.4673, 3.2703
YIQ	41.8570, -9.9030, -2.2470

Conversions

Conversions Part 2

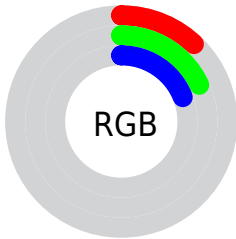
Format	Color
R_YB	31, 39, 49
Decimal	2043441
CIE _{Lab}	17.77, -5.34, -3.94
CIE _{LCh}	18, 6.642, 216.434
Yxy	2.4673, 0.2676, 0.3150
Android (android.graphics.Color)	4280233521 (0xFF1F2E31)
YUV	41.8570, 3.5215, -9.5216
Hunter-Lab	15.7077, -3.6674, -1.3487

Details

The YIQ color **41.8570, -9.9030, -2.2470** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **38.1430, 9.9030, 2.2470**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **87.5580, -10.4990, -2.4590**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **39.7750, -12.6080, -2.7840**, and if you desaturate by 10%, it is **43.9390, -7.1980, -1.7100**.

Distribution



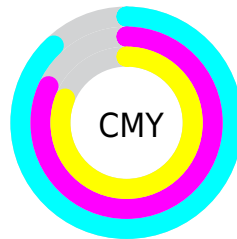
- Red (12%)
- Green (18%)
- Blue (19%)



- Red (12%)
- Yellow (15%)
- Blue (19%)



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)
- Black (81%)



- Cyan (88%)
- Magenta (82%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 41.8570, -9.9030, -2.2470 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 41.8570, -9.9030, -2.2470 by changing the saturation by 10% instead.

■ 41.8570, -9.9030,
-2.2470

■ 41.8570, -9.9030,
-2.2470

■ 255.0000, -0.0000,
-0.0000

■ 20.8570, -9.9030,
-2.2470

■ 87.5580, -10.4990,
-2.4590

■ 0.0000, 0.0000,
0.0000

■ 111.6720,
-10.8200, -2.1480

■ 137.2590,
-11.0950, -2.6710

■ 163.3730,
-11.4160, -2.3600

■ 190.9600,
-11.6910, -2.8830

■ 218.0740,

-12.0120, -2.5720

■ 246.6610,
-12.2870, -3.0950

■ 41.8570, -9.9030,
-2.2470

■ 41.8570, -9.9030,
-2.2470

■ 39.7750, -12.6080,
-2.7840

■ 43.9390, -7.1980,
-1.7100

■ 37.6930, -15.3130,
-3.3210

■ 46.0210, -4.4930,
-1.1730

■ 36.1980, -18.2930,
-4.3810

■ 47.5160, -1.5130,
-0.1130

■ 34.1160, -20.9980,
-4.9180

■ 49.5980, 1.1920,
0.4240

■ 32.0340, -23.7030,
-5.4550

■ 51.3810, 3.3010,
0.7490

■ 30.2510, -25.8120,
-5.7800

■ 53.4630, 6.0060,
1.2860

■ 29.6530, -27.0040,
-6.2040

■ 55.5450, 8.7110,
1.8230

■ 57.6270, 11.4160,
2.3600

■ 59.1220, 14.3960,
3.4200

Harmonies

Analogous

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



41.5860, -7.7020, -3.5900



41.8570, -9.9030, -2.2470



42.5090, -8.8030, -0.1550

Triad

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



41.8570, -9.9030, -2.2470



44.6740, 4.0340, 3.9860



43.4580, 4.4020, -2.6860

Complementary

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



41.8570, -9.9030, -2.2470



38.1430, 9.9030, 2.2470

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.



43.8930, 7.6110, -0.2690



41.8570, -9.9030, -2.2470



44.2290, 6.7850, 3.6890

Square

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



41.8570, -9.9030, -2.2470



44.2220, -0.5050, 3.6470



44.2460, 8.1150, 1.6110



42.7780, 0.5050, -3.6470

Rectangle

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



41.8570, -9.9030, -2.2470



42.9330, -7.0610, 1.3150



44.2460, 8.1150, 1.6110



43.4690, 5.8690, -1.7390

Sweetspot

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



41.8570, -9.9030, -2.2470



61.3200, -3.8970, -0.9610



41.9080, -5.9130, -8.4810



31.2170, -2.1090, -0.3250



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000

Same Dimension

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



41.8570, -9.9030, -2.2470



52.6930, -15.3130, -3.3210



36.5740, -7.4280, 2.4600



24.5160, -1.5130, -0.1130



53.5840, -48.9190, -11.0230



130.9850, -119.4320, -27.1760

Inverse Universe

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



38.0920, 5.9130, 8.4810



46.9940, 9.3050, 13.0890



43.4260, 7.4280, -2.4600



24.1250, 1.1460, 1.2580



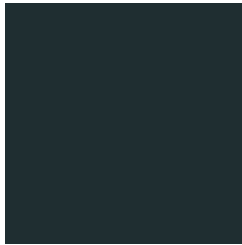
35.0470, 29.2900, 41.8820



85.5170, 71.2310, 102.2950

Previews

White Background



This preview shows how the YIQ color 41.8570, -9.9030, -2.2470 looks on a white background.

Color Contrast Check

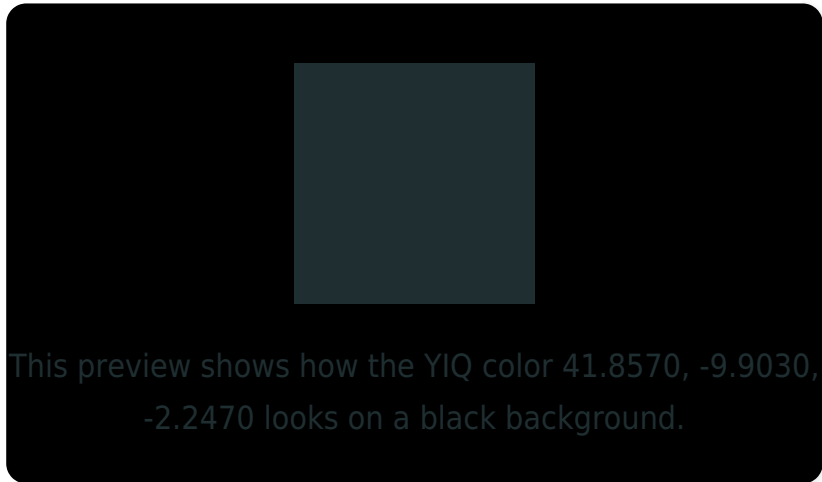
Large Text (above 18pt) WCAG AA ✓ Pass

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

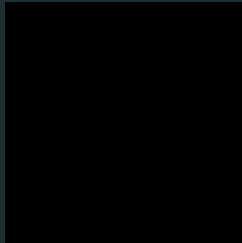
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

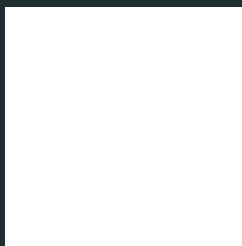
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 41.8570, -9.9030, -2.2470

Background



This preview shows how black text looks on a background with the YIQ color 41.8570, -9.9030, -2.2470.



This preview shows how white text looks on a background with the YIQ color 41.8570, -9.9030,

-2.2470.

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

41.8570, -9.9030, -2.2470

Protanopia

43.4560, -1.2840, 1.2440

Deuteranopia

43.8090, -0.7800, 3.1240



Tritanopia

41.9710, -10.2240, -1.9360

Trichromacy



Original Color

41.8570, -9.9030, -2.2470

Protanomaly

42.9610, -4.2640, 0.1840

Deuteranomaly

42.9010, -4.0350, 1.5410

Tritanomaly

41.9710, -10.2240, -1.9360

Monochromacy



Original Color

41.8570, -9.9030, -2.2470

Achromatopsia

42.0000, -0.0000, -0.0000

Achromatomaly

41.7330, -3.6220, -0.4380

CSS Examples

Text

The CSS property to change the color of the text to YIQ 41.8570, -9.9030, -2.2470 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, 46, 49)` looks like.

```
.text, #text, p{  
    color:rgb(31, 46, 49)  
}
```

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, 46, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 46, 49) }
```

Border

The CSS property to change the border of an element to YIQ 41.8570, -9.9030, -2.2470 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, 46, 49) }
```


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

```
.border{ border-color:rgb(31, 46, 49) }
```

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

Here you see how a box with a 4 pixel rgb(31, 46, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 46, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 46, 49);  
box-shadow:4px 4px 4px 4px rgb(31, 46, 49)  
}
```

Background

The CSS property to change the background color of an element to YIQ 41.8570, -9.9030, -2.2470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 46, 49) }
```

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

```
.background{ background-color: rgb(31, 46,  
49) }
```

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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