

Converting Colors

YIQ(12.8570, 25.6280, 9.1160)

Have a look what the booklet for
YIQ(12.8570, 25.6280, 9.1160)
contains.

YIQ(12.8570, 25.6280, 9.1160)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(12.8570, 25.6280,
9.1160)**

Conversions

Conversions Part 1

Format	Color
Hex	2B0000
RGB	43, 0, 0
RGB Percent	17%, 0%, 0%
CMY	0.8313, 1.0000, 0.9999
CMYK	0.00, 1.00, 1.00, 0.83
HSL	360°, 100%, 8%
HSV	360°, 100%, 17%
XYZ	0.9975, 0.5142, 0.0474
YIQ	12.8570, 25.6280, 9.1160

Conversions

Conversions Part 2

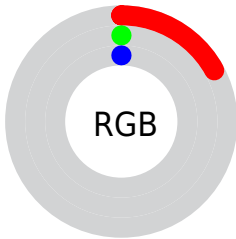
Format	Color
RYB	43, 0, 0
Decimal	2818048
CIELab	4.64, 20.48, 7.33
CIElCh	5, 21.755, 19.690
Yxy	0.5142, 0.6398, 0.3298
Android (android.graphics.Color)	4281008128 (0xFF2B0000)
YUV	12.8570, -6.3385, 26.4354
Hunter-Lab	7.1709, 12.2811, 4.6275

Details

The YIQ color **12.8570, 25.6280, 9.1160** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **30.1430, -25.6280, -9.1160**, and the grayscale version is **13.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **59.3840, 25.5820, 9.9500**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **12.8570, 25.6280, 9.1160**, and if you desaturate by 10%, it is **15.6610, 23.2440, 8.2680**.

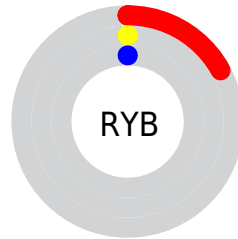
Distribution



Red (17%)

Green (0%)

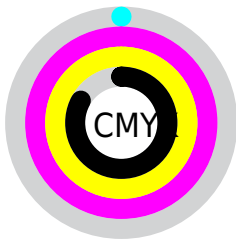
Blue (0%)



Red (17%)

Yellow (0%)

Blue (0%)

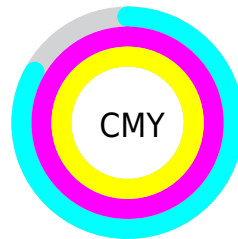


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (83%)



Cyan (83%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 12.8570, 25.6280, 9.1160 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 12.8570, 25.6280, 9.1160 by changing the saturation by 10% instead.

■ 12.8570, 25.6280,
9.1160

■ 12.8570, 25.6280,
9.1160

■ 234.0840, 17.5590,
6.6710

■ 0.0000, 0.0000,
0.0000

■ 59.3840, 25.5820,
9.9500

■ 82.9820, 26.7740,
10.3740


■ 107.1780, 29.1580,
11.2220


■ 132.7760, 30.3500,
11.6460


■ 159.3740, 31.5420,
12.0700


■ 186.5590, 32.4590,


11.9710


 214.1570, 33.6510,
12.3950


 12.8570, 25.6280,
9.1160

 15.6610, 23.2440,
8.2680

 19.1660, 20.2640,
7.2080

 21.9700, 17.8800,
6.3600

 24.7740, 15.4960,
5.5120

 28.2790, 12.5160,
4.4520

■ 31.0830, 10.1320,
3.6040

■ 33.8870, 7.7480,
2.7560

■ 36.6910, 5.3640,
1.9080

■ 40.1960, 2.3840,
0.8480

Harmonies

Analogous

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



14.5820, 16.4570, 15.6330



12.8570, 25.6280, 9.1160



14.2970, 21.2730, 5.4410

Triad

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



12.8570, 25.6280, 9.1160



13.5010, -6.3250, -12.0290



16.8700, -19.9450, 3.5350

Complementary

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



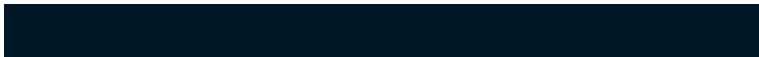
12.8570, 25.6280, 9.1160



30.1430, -25.6280, -9.1160

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.



18.4200, -18.7980, -0.7340



12.8570, 25.6280, 9.1160



15.4730, -9.1220, -10.8980

Square

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



12.8570, 25.6280, 9.1160



13.2460, -1.0530, -8.4530



18.2260, -15.4960, -5.5120



14.4410, -14.1230, 8.1570

Rectangle

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



12.8570, 25.6280, 9.1160



15.1390, 15.7260, 1.3420



18.2260, -15.4960, -5.5120



17.2290, -19.5780, 2.3900

Sweetspot

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



12.8570, 25.6280, 9.1160



44.0830, 10.1320, 3.6040



17.4600, 11.2290, 22.2770



20.9900, 5.9600, 2.1200



156.0000, -0.0000, -0.0000



28.0000, -0.0000, 0.0000

Same Dimension

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



12.8570, 25.6280, 9.1160



16.7440, 33.3760, 11.8720



25.1840, 19.8530, -1.8670



18.5980, 1.1920, 0.4240



25.1160, 50.0640, 17.8080



63.3880, 126.3520, 44.9440

Inverse Universe

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



12.8570, 25.6280, 9.1160



16.7440, 33.3760, 11.8720



17.8160, -19.8530, 1.8670



18.5980, 1.1920, 0.4240



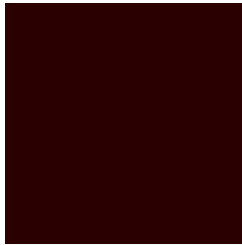
25.1160, 50.0640, 17.8080



63.3880, 126.3520, 44.9440

Previews

White Background



This preview shows how the YIQ color 12.8570, 25.6280, 9.1160 looks on a white background.

Color Contrast Check

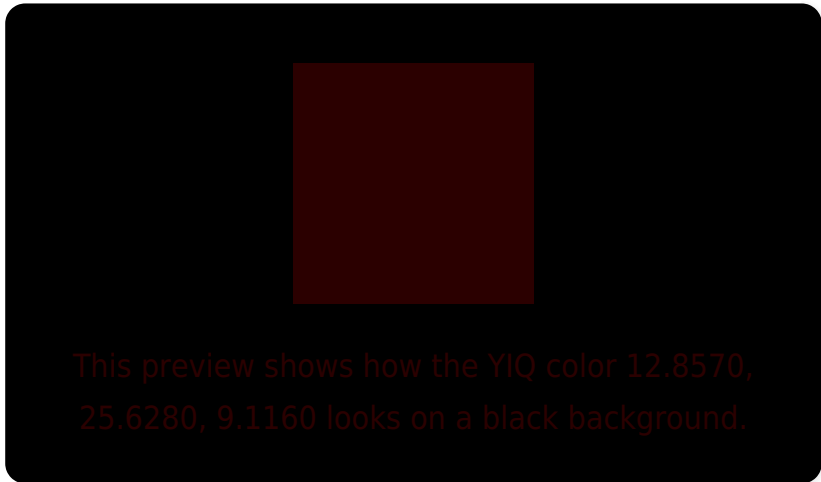
Large Text (above 18pt) WCAG AA ✓ Pass

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

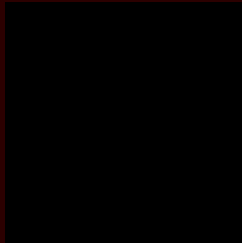
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 12.8570, 25.6280, 9.1160

Background



This preview shows how black text looks on a background with the YIQ color 12.8570, 25.6280, 9.1160.

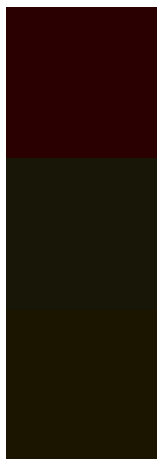


This preview shows how white text looks on a background with the YIQ color 12.8570, 25.6280,

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

12.8570, 25.6280, 9.1160

Protanopia

20.7740, 6.3280, -4.5520

Deuteranopia

20.4000, 10.3170, -5.2590



Tritanopia

15.2050, 24.5280, 7.0240

Trichromacy



Original Color

12.8570, 25.6280, 9.1160

Protanomaly

17.9430, 13.3420, 0.4940

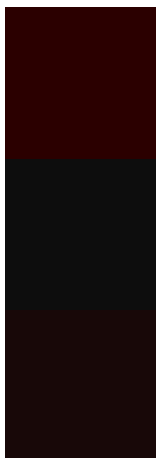
Deuteranomaly

17.4980, 16.0930, 0.1970

Tritanomaly

14.6180, 24.8030, 7.5470

Monochromacy



Original Color

12.8570, 25.6280, 9.1160

Achromatopsia

13.0000, -0.0000, -0.0000

Achromatomaly

12.7840, 9.5360, 3.3920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 12.8570, 25.6280, 9.1160 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(43, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 0, 0)  
}
```

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(43, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 0, 0) }
```

Border

The CSS property to change the border of an element to YIQ 12.8570, 25.6280, 9.1160 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(43, 0, 0) }
```


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

```
.border{ border-color:rgb(43, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(43, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(43, 0, 0); box-shadow:4px  
4px 4px 4px rgb(43, 0, 0) }
```

Background

The CSS property to change the background color of an element to YIQ 12.8570, 25.6280, 9.1160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 0, 0) }
```

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

```
.background{ background-color: rgb(43, 0,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor