

Converting Colors

YIQ(32.8030, 8.5250, 16.2130)

Have a look what the booklet for
YIQ(32.8030, 8.5250, 16.2130)
contains.

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Color

**YIQ(32.8030, 8.5250,
16.2130)**

Conversions

Conversions Part 1

Format	Color
Hex	331433
RGB	51, 20, 51
RGB Percent	20%, 8%, 20%
CMY	0.7999, 0.9216, 0.8000
CMYK	0.00, 0.61, 0.00, 0.80
HSL	300°, 44%, 14%
HSV	300°, 61%, 20%
XYZ	2.2140, 1.4433, 3.2942
YIQ	32.8030, 8.5250, 16.2130

Conversions

Conversions Part 2

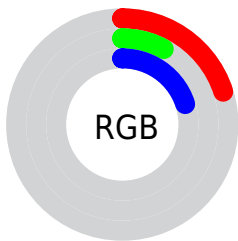
Format	Color
R_{YB}	51, 20, 51
Decimal	3347507
CIE _{Lab}	12.24, 21.06, -13.62
CIE _{LCh}	12, 25.081, 327.097
Yxy	1.4433, 0.3185, 0.2076
Android (android.graphics.Color)	4281537587 (0xFF331433)
YUV	32.8030, 8.9711, 15.9588
Hunter-Lab	12.0138, 11.8706, -7.8475




Details

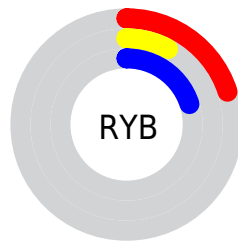
The YIQ color **32.8030, 8.5250, 16.2130** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **38.1970, -8.5250, -16.2130**, and the grayscale version is **33.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **78.3410, 9.9460, 17.9940**, and **0.1140, -0.3210, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **29.8680, 9.9000, 18.8280**, and if you desaturate by 10%, it is **35.7380, 7.1500, 13.5980**.

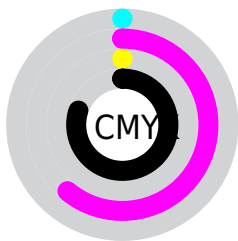
Distribution







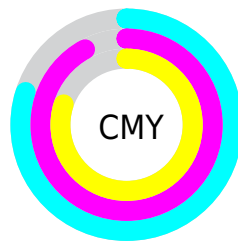
-  Red (20%)
-  Green (8%)
-  Blue (20%)






-  Red (20%)
-  Yellow (8%)
-  Blue (20%)



-  Cyan (0%)
-  Magenta (61%)
-  Yellow (0%)
-  Black (80%)




-  Cyan (80%)
-  Magenta (92%)
-  Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 32.8030, 8.5250, 16.2130 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 32.8030, 8.5250, 16.2130 by changing the saturation by 10% instead.


 32.8030, 8.5250,
16.2130

 32.8030, 8.5250,
16.2130

 251.4780, 1.6500,
3.1380


 12.9880, 9.4420,
16.1140


 78.3410, 9.9460,
17.9940


 0.1140, -0.3210,
0.3110

 102.6400, 10.5420,
18.2060

 0.0000, 0.0000,
0.0000

 128.0530, 10.8170,
18.7290


 153.8790, 11.3670,
19.7750


 181.1780, 11.9630,
19.9870


 208.5910, 12.2380,


20.5100


 234.4550, 9.6250,
18.3050


 32.8030, 8.5250,
16.2130


 32.8030, 8.5250,
16.2130


 29.8680, 9.9000,
18.8280


 35.7380, 7.1500,
13.5980


 26.9330, 11.2750,
21.4430


 38.6730, 5.7750,
10.9830

 23.9980, 12.6500,
24.0580

 41.6080, 4.4000,
8.3680

 21.0630, 14.0250,
26.6730

 44.5430, 3.0250,
5.7530

 48.0650, 1.3750,
2.6150

■ 51.0000, -0.0000,
-0.0000

■ 53.9350, -1.3750,
-2.6150

■ 56.8700, -2.7500,
-5.2300

■ 59.8050, -4.1250,
-7.8450

Harmonies

Analogous

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



31.9900, -11.2350, 10.8850



32.8030, 8.5250, 16.2130



30.3330, 21.5920, 16.1840

Triad

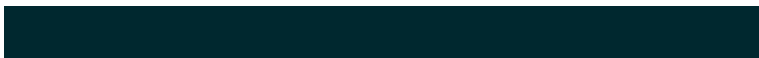
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.8030, 8.5250, 16.2130



31.0540, 17.1030, -7.0970



28.8380, -26.0870, -6.3030

Complementary

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



32.8030, 8.5250, 16.2130



38.1970, -8.5250, -16.2130

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.



26.9000, -20.6300, -11.5900



32.8030, 8.5250, 16.2130



28.6180, 6.4670, -12.5810

Square

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



32.8030, 8.5250, 16.2130



30.2450, 27.0510, -0.1570



23.7450, -13.0640, -16.5520



29.2600, -30.0310, -0.9030

Rectangle

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



32.8030, 8.5250, 16.2130



30.2640, 26.0400, 12.6640



23.7450, -13.0640, -16.5520



28.2680, -24.4820, -7.8580

Sweetspot

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



32.8030, 8.5250, 16.2130



58.9560, 3.3000, 6.2760



23.5340, -9.9510, 9.6410



28.8910, 1.9250, 3.6610



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.



32.8030, 8.5250, 16.2130



37.8240, 13.2000, 25.1040



31.0930, 13.3400, 11.5480



24.1250, 1.1460, 1.2580



36.7570, 24.4750, 46.5470



89.6210, 59.6750, 113.4910

Inverse Universe

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



32.8030, 8.5250, 16.2130



37.8240, 13.2000, 25.1040



40.0210, -13.6610, -11.2370



24.1250, 1.1460, 1.2580



36.7570, 24.4750, 46.5470



89.6210, 59.6750, 113.4910

Previews

White Background



This preview shows how the YIQ color 32.8030, 8.5250, 16.2130 looks on a white background.

Color Contrast Check

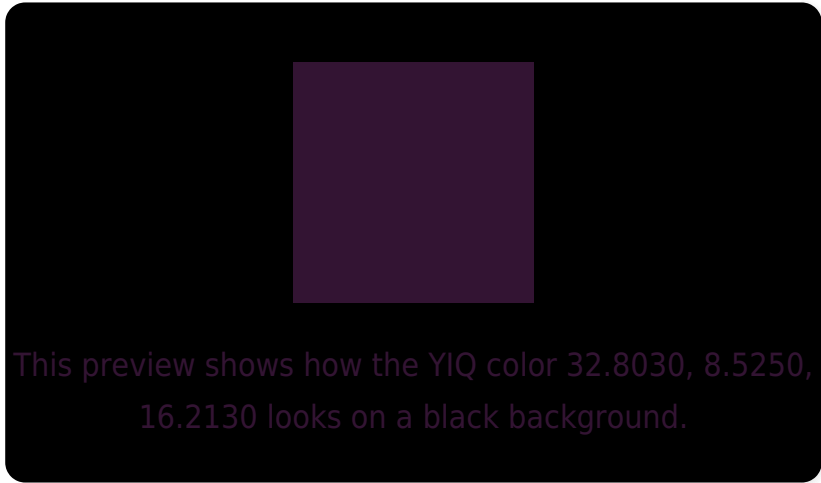
Large Text (above 18pt) WCAG AA ✓ Pass

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

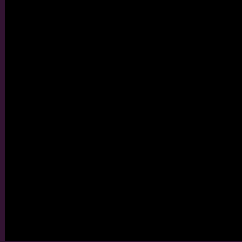
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 32.8030, 8.5250, 16.2130

Background



This preview shows how black text looks on a background with the YIQ color 32.8030, 8.5250, 16.2130.



This preview shows how white text looks on a background with the YIQ color 32.8030, 8.5250,

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

32.8030, 8.5250, 16.2130

Protanopia

30.9350, -18.5700, 6.1500

Deuteranopia

32.7310, -9.3080, 3.4920



Tritanopia

32.8060, 12.4700, 5.2860

Trichromacy



Original Color

32.8030, 8.5250, 16.2130

Protanomaly

31.7190, -9.0340, 9.5420

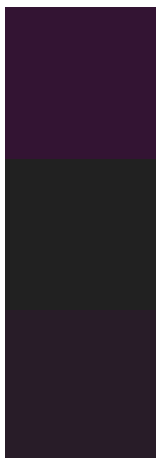
Deuteranomaly

32.6010, -2.8900, 8.3260

Tritanomaly

32.8430, 11.0480, 9.0320

Monochromacy



Original Color

32.8030, 8.5250, 16.2130

Achromatopsia

33.0000, -0.0000, -0.0000

Achromatomaly

32.9560, 3.3000, 6.2760

CSS Examples

Text

The CSS property to change the color of the text to YIQ 32.8030, 8.5250, 16.2130 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(51, 20, 51)` looks like.

```
.text, #text, p{  
    color:rgb(51, 20, 51)  
}
```

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(51, 20, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 20, 51) }
```

Border

The CSS property to change the border of an element to YIQ 32.8030, 8.5250, 16.2130 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(51, 20, 51) }
```


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

```
.border{ border-color:rgb(51, 20, 51) }
```

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

Here you see how a box with a 4 pixel rgb(51, 20, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 20, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 20, 51);  
box-shadow:4px 4px 4px 4px rgb(51, 20, 51)  
}
```

Background

The CSS property to change the background color of an element to YIQ 32.8030, 8.5250, 16.2130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 20, 51) }
```

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

```
.background{ background-color: rgb(51, 20,  
51) }
```

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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