

Converting Colors

YIQ(24.4770, 12.5590, 20.1990)

Have a look what the booklet for
YIQ(24.4770, 12.5590, 20.1990)
contains.

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Color

**YIQ(24.4770, 12.5590,
20.1990)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 31082D |
| RGB | 49, 8, 45 |
| RGB Percent | 19%, 3%, 18% |
| CMY | 0.8077, 0.9687, 0.8235 |
| CMYK | 0.00, 0.84, 0.08, 0.81 |
| HSL | 306°, 72%, 11% |
| HSV | 306°, 84%, 19% |
| XYZ | 1.8285, 1.0165, 2.5830 |
| YIQ | 24.4770, 12.5590, 20.1990 |

Conversions

Conversions Part 2

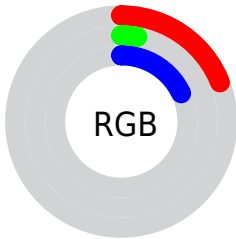
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 49, 8, 45 |
| Decimal | 3213357 |
| CIE _{Lab} | 9.13, 25.66, -14.14 |
| CIE _{LCh} | 9, 29.301, 331.142 |
| Yxy | 1.0165, 0.3369, 0.1873 |
| Android (android.graphics.Color) | 4281403437 (0xFF31082D) |
| YUV | 24.4770, 10.1178, 21.5067 |
| Hunter-Lab | 10.0823, 14.7284, -8.1320 |

Details

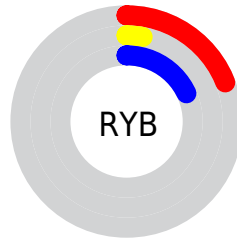
The YIQ color **24.4770, 12.5590, 20.1990** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **32.5230, -12.5590, -20.1990**, and the grayscale version is **24.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **70.4880, 14.0260, 21.1460**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **21.5420, 13.9340, 22.8140**, and if you desaturate by 10%, it is **27.4120, 11.1840, 17.5840**.

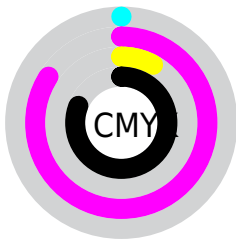
Distribution



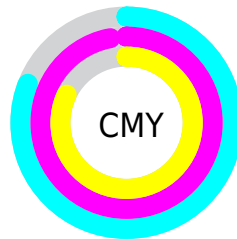
- Red (19%)
- Green (3%)
- Blue (18%)



- Red (19%)
- Yellow (3%)
- Blue (18%)



- Cyan (0%)
- Magenta (84%)
- Yellow (8%)
- Black (81%)



- Cyan (81%)
- Magenta (97%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 24.4770, 12.5590, 20.1990 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 24.4770, 12.5590, 20.1990 by changing the saturation by 10% instead.

■ 24.4770, 12.5590,
20.1990

■ 24.4770, 12.5590,
20.1990

■ 243.8470, 5.2250,
9.9370

■ 11.8200, 9.8550,
14.1350

■ 70.4880, 14.0260,
21.1460

■ 0.0000, 0.0000,
0.0000

■ 95.2000, 14.8970,
21.8810


■ 120.4990, 15.4930,
22.0930


■ 146.3250, 16.0430,
23.1390


■ 173.0370, 16.9140,
23.8740


■ 200.4500, 17.1890,


24.3970


 226.9550, 14.2090,
23.3370


 24.4770, 12.5590,
20.1990

 24.4770, 12.5590,
20.1990

 21.5420, 13.9340,
22.8140


 27.4120, 11.1840,
17.5840

 19.6670, 15.0800,
24.0720

 30.4610, 9.4880,
15.2800

 33.3960, 8.1130,
12.6650

 36.4450, 6.4170,
10.3610

 39.3800, 5.0420,
7.7460

■ 41.8420, 3.6210,
5.9650

■ 44.7770, 2.2460,
3.3500

■ 47.8260, 0.5500,
1.0460

■ 50.7610, -0.8250,
-1.5690

Harmonies

Analogous

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



25.7560, -10.4560, 13.2880



24.4770, 12.5590, 20.1990



21.1920, 26.5430, 20.0710

Triad

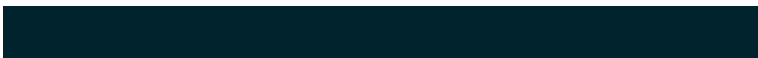
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.4770, 12.5590, 20.1990



24.5420, 12.7930, -6.0790



25.7890, -24.3910, -3.9990

Complementary

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



24.4770, 12.5590, 20.1990



32.5230, -12.5590, -20.1990

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.



23.5090, -17.9710, -10.2190



24.4770, 12.5590, 20.1990



21.7850, -1.3730, -13.6690

Square

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



24.4770, 12.5590, 20.1990



24.3310, 23.9330, 1.2850



19.9580, -9.3500, -17.7820



26.2110, -28.3350, 1.4010

Rectangle

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



24.4770, 12.5590, 20.1990



20.4280, 31.4500, 13.7380



19.9580, -9.3500, -17.7820



24.9910, -22.1440, -6.1760

Sweetspot

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



24.4770, 12.5590, 20.1990



54.3800, 5.0420, 7.7460



13.5710, -11.3730, 13.3870



27.0160, 3.0710, 4.9190



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.



24.4770, 12.5590, 20.1990



25.6340, 19.8470, 31.2950



22.1970, 18.9790, 13.9790



24.1250, 1.1460, 1.2580



35.7310, 27.3640, 43.7480



87.1130, 66.7370, 106.6490

Inverse Universe

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



24.4770, 12.5590, 20.1990



25.6340, 19.8470, 31.2950



34.8030, -18.9790, -13.9790



24.1250, 1.1460, 1.2580



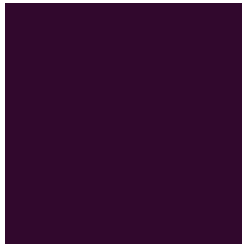
35.7310, 27.3640, 43.7480



87.1130, 66.7370, 106.6490

Previews

White Background



This preview shows how the YIQ color 24.4770, 12.5590, 20.1990 looks on a white background.

Color Contrast Check

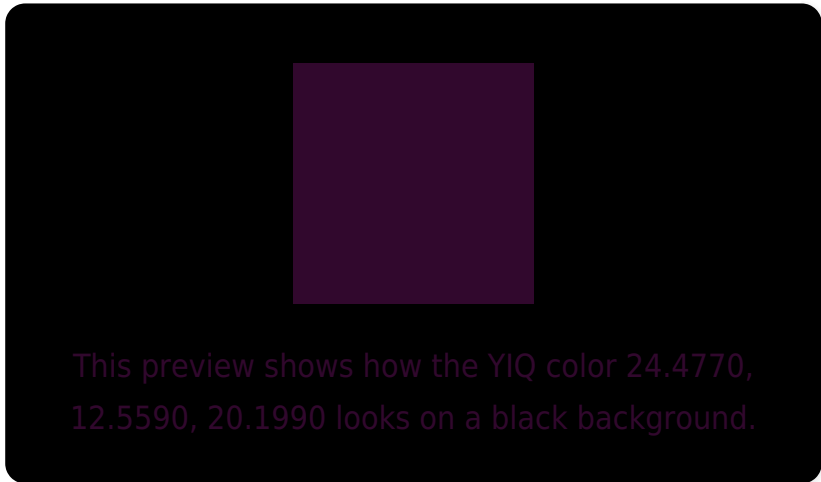
Large Text (above 18pt) WCAG AA ✓ Pass

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

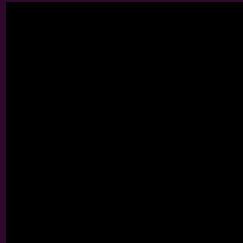
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 24.4770, 12.5590, 20.1990

Background



This preview shows how black text looks on a background with the YIQ color 24.4770, 12.5590, 20.1990.



This preview shows how white text looks on a background with the YIQ color 24.4770, 12.5590,

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

24.4770, 12.5590, 20.1990

Protanopia

22.4610, -26.0430, 3.9170

Deuteranopia

27.5030, -8.6660, 2.8700



Tritanopia

27.4860, 16.3670, 6.2470

Trichromacy



Original Color

24.4770, 12.5590, 20.1990

Protanomaly

23.1640, -11.7850, 9.8390

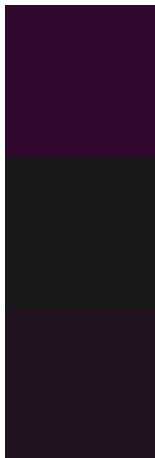
Deuteranomaly

26.4980, -1.1020, 8.9620

Tritanomaly

26.4630, 15.1740, 11.3500

Monochromacy



Original Color

24.4770, 12.5590, 20.1990

Achromatopsia

24.0000, -0.0000, 0.0000

Achromatomaly

24.0810, 4.4460, 7.5340

CSS Examples

Text

The CSS property to change the color of the text to YIQ 24.4770, 12.5590, 20.1990 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(49, 8, 45)` looks like.

```
.text, #text, p{  
    color:rgb(49, 8, 45)  
}
```

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(49, 8, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 8, 45) }
```

Border

The CSS property to change the border of an element to YIQ 24.4770, 12.5590, 20.1990 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(49, 8, 45) }
```


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

```
.border{ border-color:rgb(49, 8, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 8, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 8, 45); -webkit-box-shadow:4px  
4px 4px 4px rgb(49, 8, 45); box-shadow:4px  
4px 4px 4px rgb(49, 8, 45) }
```

Background

The CSS property to change the background color of an element to YIQ 24.4770, 12.5590, 20.1990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 8, 45) }
```

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

```
.background{ background-color: rgb(49, 8,  
45) }
```

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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