

Converting Colors

YIQ(42.5780, 31.4480, 24.7920)

Have a look what the booklet for
YIQ(42.5780, 31.4480, 24.7920)
contains.

YIQ(42.5780, 31.4480, 24.7920)	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(42.5780, 31.4480,
24.7920)**

Conversions

Conversions Part 1

Format	Color
Hex	581232
RGB	88, 18, 50
RGB Percent	35%, 7%, 20%
CMY	0.6547, 0.9295, 0.8038
CMYK	0.00, 0.80, 0.43, 0.65
HSL	333°, 66%, 21%
HSV	333°, 80%, 35%
XYZ	4.8211, 2.7392, 3.2951
YIQ	42.5780, 31.4480, 24.7920

Conversions

Conversions Part 2

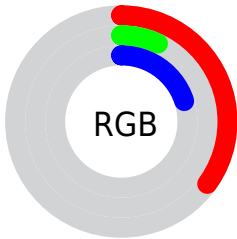
Format	Color
R_{YB}	88, 18, 50
Decimal	5771826
CIE _{Lab}	18.97, 34.36, -2.04
CIE _{LCh}	19, 34.424, 356.608
Yxy	2.7392, 0.4441, 0.2523
Android (android.graphics.Color)	4283961906 (0xFF581232)
YUV	42.5780, 3.6590, 39.8351
Hunter-Lab	16.5505, 23.0330, -0.2189

Details

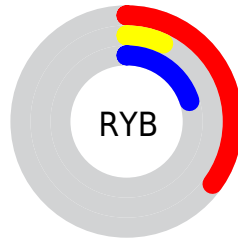
The YIQ color **42.5780, 31.4480, 24.7920** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **63.4220, -31.4480, -24.7920**, and the grayscale version is **43.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **93.0190, 34.5200, 24.1840**, and **12.7860, 24.3900, 9.5260** is the 20% darker color. If you saturate the color by 10%, you get **36.7250, 35.5280, 27.9440**, and if you desaturate by 10%, it is **48.4310, 27.3680, 21.6400**.

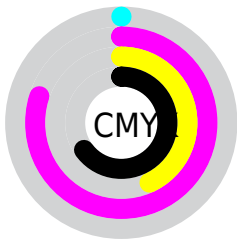
Distribution



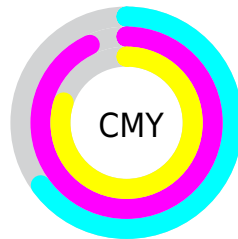
- Red (35%)
- Green (7%)
- Blue (20%)



- Red (35%)
- Yellow (7%)
- Blue (20%)



- Cyan (0%)
- Magenta (80%)
- Yellow (43%)
- Black (65%)



- Cyan (65%)
- Magenta (93%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.5780, 31.4480, 24.7920 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 42.5780, 31.4480, 24.7920 by changing the saturation by 10% instead.

42.5780, 31.4480,
24.7920

42.5780, 31.4480,
24.7920

255.0000, -0.0000,
-0.0000

22.1430, 28.2390,
22.3750

93.0190, 34.5200,
24.1840

12.7860, 24.3900,
9.5260

118.9160, 36.3080,
24.8200

0.0000, 0.0000,
0.0000


144.9270, 37.7750,
25.7670


172.4110, 39.2880,
25.8800


200.0090, 40.4800,
26.3040


219.6370, 23.7920,


20.3680


 239.1510, 7.4250,
14.1210


 42.5780, 31.4480,
24.7920


 42.5780, 31.4480,
24.7920


 36.7250, 35.5280,
27.9440


 48.4310, 27.3680,
21.6400

 30.8720, 39.6080,
31.0960

 54.2840, 23.2880,
18.4880

 59.4360, 19.8040,
15.5480

 65.2890, 15.7240,
12.3960

 71.1420, 11.6440,
9.2440

■ 76.9950, 7.5640,
6.0920

■ 82.7340, 3.8050,
2.6290

■ 88.0000, -0.0000,
-0.0000

■ 93.8530, -4.0800,
-3.1520

Harmonies

Analogous

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



46.6990, 12.0540, 23.8460



42.5780, 31.4480, 24.7920



42.3750, 38.9690, 15.1370

Triad

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



42.5780, 31.4480, 24.7920



41.0000, 8.0270, -18.8290



42.3170, -43.3730, -1.3970

Complementary

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



42.5780, 31.4480, 24.7920



63.4220, -31.4480, -24.7920

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.



41.2110, -37.5030, -8.6630



42.5780, 31.4480, 24.7920



34.1090, -20.2610, -23.7890

Square

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



42.5780, 31.4480, 24.7920



43.7680, 23.6600, -10.2920



38.2470, -29.1570, -16.7490



40.2940, -44.5660, 3.7060

Rectangle

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



42.5780, 31.4480, 24.7920



42.7520, 38.9250, 4.9170



38.2470, -29.1570, -16.7490



42.2200, -41.7220, -3.7860

Sweetspot

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



42.5780, 31.4480, 24.7920



96.8540, 12.5150, 9.9790



37.0430, -0.4180, 29.6140



47.8810, 7.8850, 5.7810



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



42.5780, 31.4480, 24.7920



43.5900, 49.5100, 38.8700



40.1040, 41.1700, 13.7940



40.4240, 1.7420, 1.4700



37.5790, 48.0430, 37.9230



82.4630, 105.7130, 83.0970

Inverse Universe

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



42.5780, 31.4480, 24.7920



43.5900, 49.5100, 38.8700



65.8960, -41.1700, -13.7940



40.4240, 1.7420, 1.4700



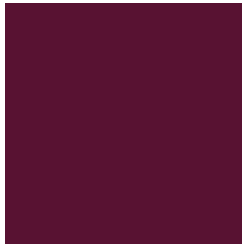
37.5790, 48.0430, 37.9230



82.4630, 105.7130, 83.0970

Previews

White Background



This preview shows how the YIQ color 42.5780, 31.4480, 24.7920 looks on a white background.

Color Contrast Check

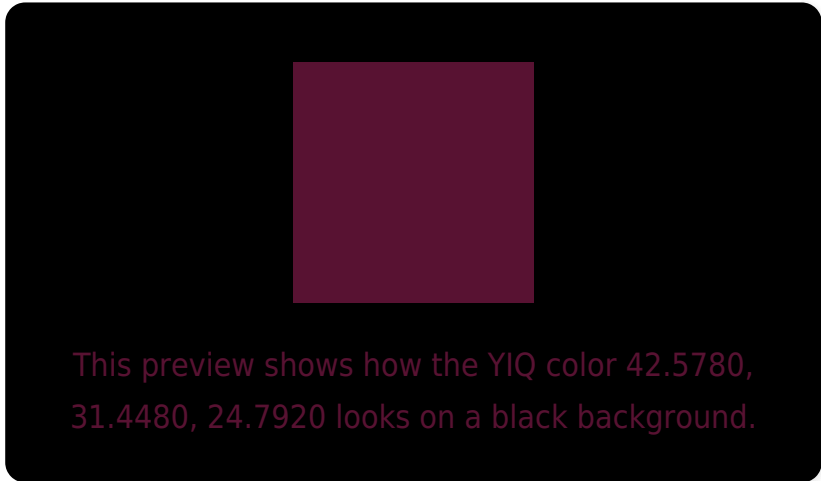
Large Text (above 18pt) WCAG AA ✓ Pass

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

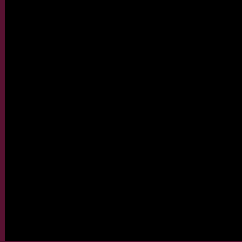
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.5780, 31.4480, 24.7920

Background



This preview shows how black text looks on a background with the YIQ color 42.5780, 31.4480, 24.7920.



This preview shows how white text looks on a background with the YIQ color 42.5780, 31.4480,

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

42.5780, 31.4480, 24.7920

Protanopia

47.8990, -9.7210, 5.4710

Deuteranopia

48.2070, 3.8510, 1.7950



Tritanopia

43.6520, 36.6310, 13.4550

Trichromacy



Original Color

42.5780, 31.4480, 24.7920

Protanomaly

45.7270, 5.6830, 12.6510

Deuteranomaly

46.3380, 14.0280, 10.0920

Tritanomaly

42.9170, 34.5670, 17.8230

Monochromacy



Original Color

42.5780, 31.4480, 24.7920

Achromatopsia

43.0000, -0.0000, -0.0000

Achromatomaly

42.8430, 11.0480, 9.0320

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.5780, 31.4480, 24.7920 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(88, 18, 50)` looks like.

```
.text, #text, p{  
    color:rgb(88, 18, 50)  
}
```

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(88, 18, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 18, 50) }
```

Border

The CSS property to change the border of an element to YIQ 42.5780, 31.4480, 24.7920 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(88, 18, 50) }
```


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

```
.border{ border-color:rgb(88, 18, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 18, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 18, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 18, 50);  
box-shadow:4px 4px 4px 4px rgb(88, 18, 50)  
}
```

Background

The CSS property to change the background color of an element to YIQ 42.5780, 31.4480, 24.7920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 18, 50) }
```

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

```
.background{ background-color: rgb(88, 18,  
50) }
```

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