

Converting Colors

YIQ(30.8720, 39.6080, 31.0960)

Have a look what the booklet for
YIQ(30.8720, 39.6080, 31.0960)
contains.

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Color

**YIQ(30.8720, 39.6080,
31.0960)**

Conversions

Conversions Part 1

Format	Color
Hex	580028
RGB	88, 0, 40
RGB Percent	35%, 0%, 16%
CMY	0.6547, 1.0000, 0.8430
CMYK	0.00, 1.00, 0.55, 0.65
HSL	333°, 100%, 17%
HSV	333°, 100%, 35%
XYZ	4.4137, 2.2310, 2.2084
YIQ	30.8720, 39.6080, 31.0960

Conversions

Conversions Part 2

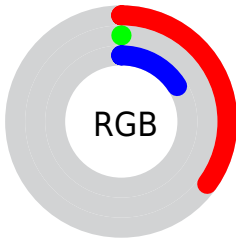
Format	Color
R_{YB}	88, 0, 40
Decimal	5767208
CIE _{Lab}	16.66, 38.96, 1.76
CIE _{LCh}	17, 39.000, 2.588
Yxy	2.2310, 0.4985, 0.2520
Android (android.graphics.Color)	4283957288 (0xFF580028)
YUV	30.8720, 4.5001, 50.1013
Hunter-Lab	14.9367, 26.6066, 1.6898

Details

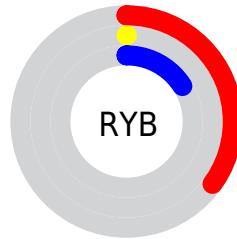
The YIQ color **30.8720, 39.6080, 31.0960** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **57.1280, -39.6080, -31.0960**, and the grayscale version is **31.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **85.6070, 41.6720, 26.7280**, and **11.4760, 22.3270, 8.3670** is the 20% darker color. If you saturate the color by 10%, you get **30.8720, 39.6080, 31.0960**, and if you desaturate by 10%, it is **36.7250, 35.5280, 27.9440**.

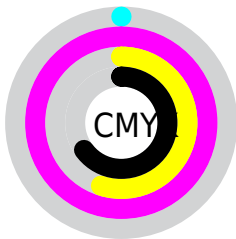
Distribution



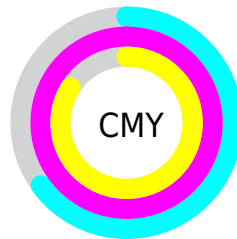
- Red (35%)
- Green (0%)
- Blue (16%)



- Red (35%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (65%)





- Cyan (65%)
- Magenta (100%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 30.8720, 39.6080, 31.0960 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 30.8720, 39.6080, 31.0960 by changing the saturation by 10% instead.


 30.8720, 39.6080,
31.0960


 30.8720, 39.6080,
31.0960


 249.7170, 2.4750,
4.7070


 20.8180, 30.5320,
19.3640


 85.6070, 41.6720,
26.7280


 11.4760, 22.3270,
8.3670

 111.3900, 43.7810,
27.0530

 0.0000, 0.0000,
0.0000


 138.1730, 45.8900,
27.3780


 165.0700, 47.6780,
28.0140


 192.0700, 47.6780,
28.0140


 211.6980, 30.9900,


22.0780


 231.3260, 14.3020,
16.1420


 30.8720, 39.6080,
31.0960

 36.7250, 35.5280,
27.9440

 42.5780, 31.4480,
24.7920

 47.7300, 27.9640,
21.8520

 53.5830, 23.8840,
18.7000

 59.4360, 19.8040,
15.5480

■ 65.2890, 15.7240,
12.3960

■ 71.1420, 11.6440,
9.2440

■ 76.2940, 8.1600,
6.3040

■ 82.1470, 4.0800,
3.1520

Harmonies

Analogous

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



38.2810, 19.3430, 29.4150



30.8720, 39.6080, 31.0960



34.0120, 44.4250, 15.3770

Triad

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



30.8720, 39.6080, 31.0960



34.7540, -0.0880, -20.4400



39.7240, -42.9610, 2.1510

Complementary

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



30.8720, 39.6080, 31.0960



57.1280, -39.6080, -31.0960

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.



39.2050, -37.3660, -5.6380



30.8720, 39.6080, 31.0960



31.4190, -18.1980, -22.6300

Square

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



30.8720, 39.6080, 31.0960



39.0170, 18.5250, -10.8430



36.0130, -28.3780, -14.3460



37.0000, -43.5580, 7.4660

Rectangle

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



30.8720, 39.6080, 31.0960



37.4100, 39.8880, 3.9840



36.0130, -28.3780, -14.3460



40.2140, -41.5850, -0.7610

Sweetspot

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



30.8720, 39.6080, 31.0960



92.2890, 15.7240, 12.3960



24.0850, -0.2360, 37.3320



45.3050, 9.6270, 7.2510



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.



30.8720, 39.6080, 31.0960



40.3130, 51.8480, 40.5520



28.0730, 51.6230, 17.0870



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.



30.8720, 39.6080, 31.0960



40.3130, 51.8480, 40.5520



59.9270, -51.6230, -17.0870



40.4240, 1.7420, 1.4700



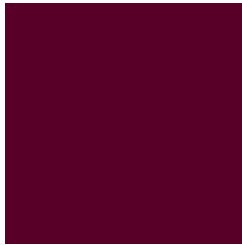
37.5790, 48.0430, 37.9230



82.4630, 105.7130, 83.0970

Previews

White Background



This preview shows how the YIQ color 30.8720, 39.6080, 31.0960 looks on a white background.

Color Contrast Check

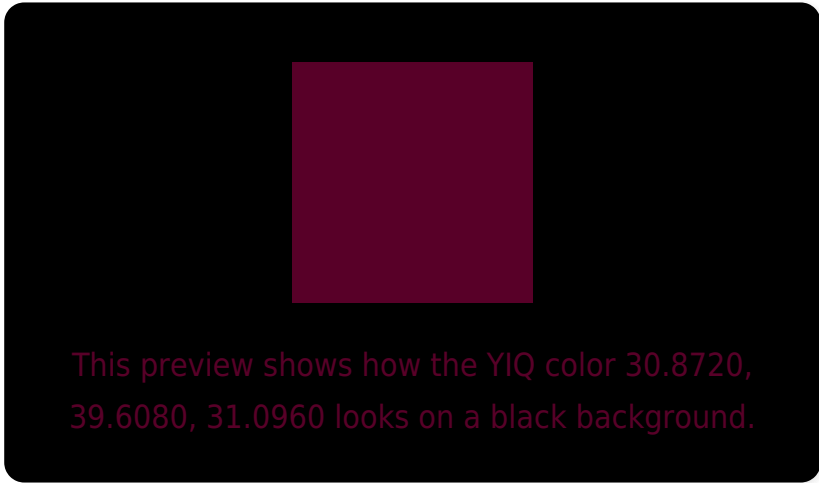
Large Text (above 18pt) WCAG AA ✓ Pass

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

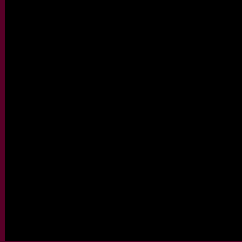
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 30.8720, 39.6080, 31.0960

Background



This preview shows how black text looks on a background with the YIQ color 30.8720, 39.6080, 31.0960.



This preview shows how white text looks on a background with the YIQ color 30.8720, 39.6080,

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

30.8720, 39.6080, 31.0960

Protanopia

45.5850, -5.9610, 3.4070

Deuteranopia

45.7790, 7.9320, -0.5800



Tritanopia

37.2290, 42.3160, 15.0520

Trichromacy



Original Color

30.8720, 39.6080, 31.0960

Protanomaly

40.4780, 10.8180, 13.2020

Deuteranomaly

40.3880, 19.7590, 10.8550

Tritanomaly

34.7330, 41.0770, 20.9890

Monochromacy



Original Color

30.8720, 39.6080, 31.0960

Achromatopsia

31.0000, -0.0000, -0.0000

Achromatomaly

31.1640, 14.5780, 11.1380

CSS Examples

Text

The CSS property to change the color of the text to YIQ 30.8720, 39.6080, 31.0960 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, 0, 40)` looks like.

```
.text, #text, p{  
    color:rgb(88, 0, 40)  
}
```

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, 0, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 40) }
```

Border

The CSS property to change the border of an element to YIQ 30.8720, 39.6080, 31.0960 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, 0, 40) }
```


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

```
.border{ border-color:rgb(88, 0, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 0, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 40); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 0, 40); box-shadow:4px  
4px 4px 4px rgb(88, 0, 40) }
```

Background

The CSS property to change the background color of an element to YIQ 30.8720, 39.6080, 31.0960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 0, 40) }
```

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

```
.background{ background-color: rgb(88, 0,  
40) }
```

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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