

Converting Colors

YIQ(48.9720, 32.7340, 12.4940)

Have a look what the booklet for
YIQ(48.9720, 32.7340, 12.4940)
contains.

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Color

**YIQ(48.9720, 32.7340,
12.4940)**

Conversions

Conversions Part 1

Format	Color
Hex	582022
RGB	88, 32, 34
RGB Percent	35%, 13%, 13%
CMY	0.6548, 0.8746, 0.8665
CMYK	0.00, 0.64, 0.61, 0.65
HSL	358°, 47%, 24%
HSV	358°, 64%, 35%
XYZ	4.8328, 3.2238, 1.8834
YIQ	48.9720, 32.7340, 12.4940

Conversions

Conversions Part 2

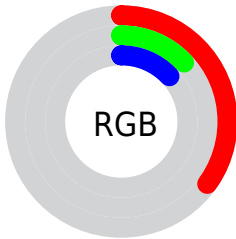
Format	Color
R_{YB}	88, 32, 34
Decimal	5775394
CIE _{Lab}	20.92, 26.10, 11.93
CIE _{LCh}	21, 28.699, 24.561
Yxy	3.2238, 0.4862, 0.3243
Android (android.graphics.Color)	4283965474 (0xFF582022)
YUV	48.9720, -7.3812, 34.2276
Hunter-Lab	17.9550, 16.6245, 6.3493

Details

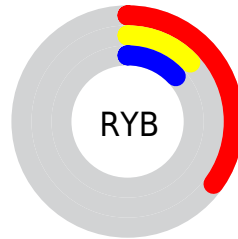
The YIQ color **48.9720, 32.7340, 12.4940** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **71.0280, -32.7340, -12.4940**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **97.4240, 37.2730, 12.8330**, and **12.3730, 24.1150, 9.0030** is the 20% darker color. If you saturate the color by 10%, you get **42.7770, 37.7770, 14.7130**, and if you desaturate by 10%, it is **55.2810, 27.3700, 10.5860**.

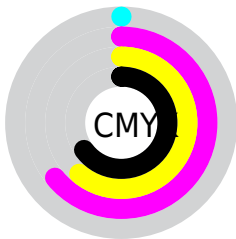
Distribution



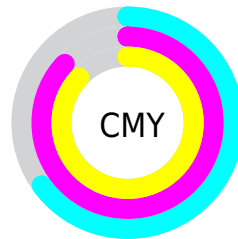
- Red (35%)
- Green (13%)
- Blue (13%)



- Red (35%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (64%)
- Yellow (61%)
- Black (65%)



- Cyan (65%)
- Magenta (87%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.9720, 32.7340, 12.4940 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 48.9720, 32.7340, 12.4940 by changing the saturation by 10% instead.

■ 48.9720, 32.7340,
12.4940

■ 48.9720, 32.7340,
12.4940

■ 255.0000, -0.0000,
-0.0000

■ 24.9010, 31.4960,
12.9040

■ 97.4240, 37.2730,
12.8330

■ 12.3730, 24.1150,
9.0030

■ 123.2070, 39.3820,
13.1580

■ 0.0000, 0.0000,
0.0000


■ 149.1040, 41.1700,
13.7940


■ 176.0010, 42.9580,
14.4300


■ 204.1860, 43.8750,
14.3310

■ 223.1130, 27.7830,


8.6070


 243.4420, 10.4990,
2.4590


 48.9720, 32.7340,
12.4940


 48.9720, 32.7340,
12.4940


 42.7770, 37.7770,
14.7130


 55.2810, 27.3700,
10.5860


 36.4680, 43.1410,
16.6210


 61.4760, 22.3270,
8.3670

 30.8600, 47.9090,
18.3170

 67.0840, 17.5590,
6.6710

 26.6540, 51.4850,
19.5890

 73.3930, 12.1950,
4.7630

 79.5880, 7.1520,
2.5440

■ 85.8970, 1.7880,
0.6360

■ 92.0920, -3.2550,
-1.5830

■ 97.8140, -8.3440,
-2.9680

■ 104.0090,
-13.3870, -5.1870

Harmonies

Analogous

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



50.1810, 25.0760, 19.1240



48.9720, 32.7340, 12.4940



49.2240, 31.5440, 1.0160

Triad

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



48.9720, 32.7340, 12.4940



41.6800, -14.4390, -19.1670



42.1860, -44.3820, 0.3700

Complementary

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



48.9720, 32.7340, 12.4940



71.0280, -32.7340, -12.4940

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.



43.6220, -42.9140, -4.2100



48.9720, 32.7340, 12.4940



40.4640, -31.2660, -17.0740

Square

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



48.9720, 32.7340, 12.4940



45.6520, 9.1270, -16.7370



42.8580, -38.0070, -10.5430



50.3040, -14.9950, 12.9490

Rectangle

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



48.9720, 32.7340, 12.4940



47.9150, 27.7400, -7.1400



42.8580, -38.0070, -10.5430



43.2460, -44.6110, -0.9870

Sweetspot

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



48.9720, 32.7340, 12.4940



99.6920, 12.7910, 4.9750



54.2310, 13.6120, 28.6520



49.3000, 8.0230, 3.2790



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.



48.9720, 32.7340, 12.4940



54.3550, 50.8890, 19.3770



63.4190, 26.5010, -1.2030



40.1960, 2.3840, 0.8480



32.4490, 62.4880, 23.9280



71.2910, 137.1710, 52.6190

Inverse Universe

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



48.9720, 32.7340, 12.4940



54.3550, 50.8890, 19.3770



56.5810, -26.5010, 1.2030



40.1960, 2.3840, 0.8480



32.4490, 62.4880, 23.9280



71.2910, 137.1710, 52.6190

Previews

White Background



This preview shows how the YIQ color 48.9720, 32.7340, 12.4940 looks on a white background.

Color Contrast Check

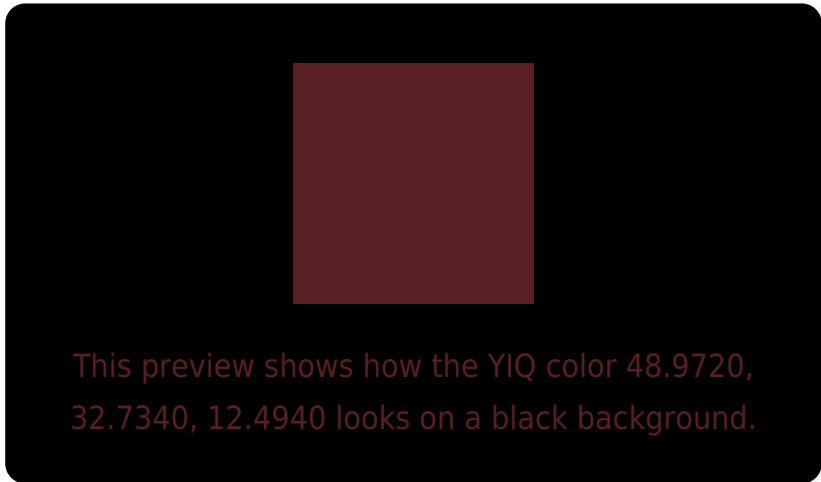
Large Text (above 18pt) WCAG AA ✓ Pass

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

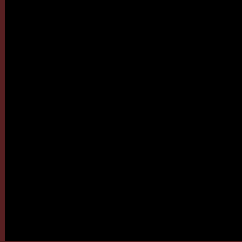
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.9720, 32.7340, 12.4940

Background



This preview shows how black text looks on a background with the YIQ color 48.9720, 32.7340, 12.4940.



This preview shows how white text looks on a background with the YIQ color 48.9720, 32.7340,

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

48.9720, 32.7340, 12.4940

Protanopia

50.8710, 4.6770, -2.1630

Deuteranopia

50.8350, 13.5260, -2.8420



Tritanopia

48.9720, 32.7340, 12.4940

Trichromacy



Original Color

48.9720, 32.7340, 12.4940

Protanomaly

50.0080, 14.7170, 3.1090

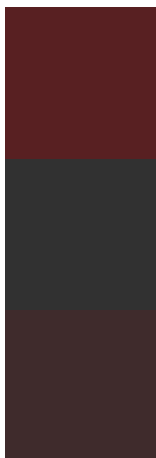
Deuteranomaly

50.1180, 20.2190, 2.5150

Tritanomaly

48.9720, 32.7340, 12.4940

Monochromacy



Original Color

48.9720, 32.7340, 12.4940

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.0940, 11.5990, 4.5510

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.9720, 32.7340, 12.4940 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, 32, 34)` looks like.

```
.text, #text, p{  
    color:rgb(88, 32, 34)  
}
```

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, 32, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 32, 34) }
```

Border

The CSS property to change the border of an element to YIQ 48.9720, 32.7340, 12.4940 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, 32, 34) }
```


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

```
.border{ border-color:rgb(88, 32, 34) }
```

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

Here you see how a box with a 4 pixel rgb(88, 32, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 32, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 32, 34);  
box-shadow:4px 4px 4px 4px rgb(88, 32, 34)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.9720, 32.7340, 12.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 32, 34) }
```

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

```
.background{ background-color: rgb(88, 32,  
34) }
```

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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