

Converting Colors

XYZ(48.4146, 40.8128, 9.4844)

Have a look what the booklet for
XYZ(48.4146, 40.8128, 9.4844)
contains.

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Color

**XYZ(48.4990, 40.8653,
9.4693)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | F3953B |
| RGB | 243, 149, 59 |
| RGB Percent | 95%, 58%, 23% |
| CMY | 0.0471, 0.4157, 0.7686 |
| CMYK | 0.00, 0.39, 0.76, 0.05 |
| HSL | 29°, 88%, 59% |
| HSV | 29°, 76%, 95% |
| XYZ | 48.4990, 40.8653, 9.4693 |
| YIQ | 166.8460, 84.9140, -8.0620 |

Conversions

Conversions Part 2

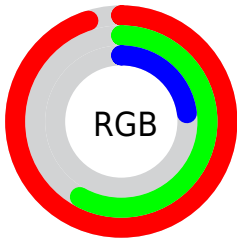
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 243, 235, 59 |
| Decimal | 15963451 |
| CIE Lab | 70.08, 28.51, 59.81 |
| CIE LCh | 70, 66.253, 64.515 |
| Yxy | 40.8653, 0.4907, 0.4135 |
| Android (android.graphics.Color) | 4294153531 (0xFFFF3953B) |
| YUV | 166.8460, -53.1681, 66.7871 |
| Hunter-Lab | 63.9260, 23.5529, 35.9656 |

Details

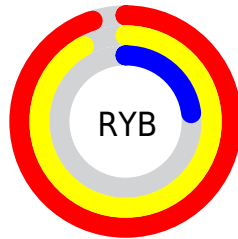
The XYZ color **48.4990, 40.8653, 9.4693** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **29.3718, 30.1818, 89.0711**, and the grayscale version is **36.8784, 38.7990, 42.2521**.

A 20% lighter version of the original color is **65.7575, 65.6156, 24.5285**, and **23.4237, 18.5591, 2.3477** is the 20% darker color. If you saturate the color by 10%, you get **46.1489, 36.9501, 6.2669**, and if you desaturate by 10%, it is **51.3534, 45.3206, 14.2862**.

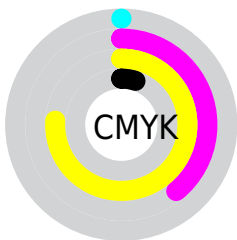
Distribution



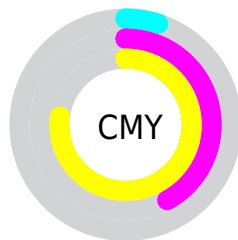
- Red (95%)
- Green (58%)
- Blue (23%)



- Red (95%)
- Yellow (92%)
- Blue (23%)



- Cyan (0%)
- Magenta (39%)
- Yellow (76%)
- Black (5%)





- Cyan (5%)
- Magenta (42%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4990, 40.8653, 9.4693 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 XYZ color 48.4990, 40.8653, 9.4693 by changing the saturation by 10% instead.


 48.4990, 40.8653,
9.4693


 48.4990, 40.8653,
9.4693


371.3164,
349.7573, 197.1864

 34.4351, 28.2138,
4.9476


 87.1521, 76.4794,
25.3844

 23.3925, 18.4869,
2.1583


 112.4720,
100.2108, 37.6149


 15.0059, 11.3001,
0.6502


 142.2747,
128.4043, 53.2520

 8.9099, 6.2691,
0.0000

 176.9255,
161.4443, 72.7143

 4.7391, 3.0094,
0.0000

 216.7896,
199.7152, 96.4204

 2.1282, 1.1366,
0.0000

 262.2326,

 0.7045, 0.0090,

243.6015, 124.7888

0.0000

313.6198,
293.4873, 158.2379

■ 0.0000, 0.0000,
0.0000

■ 48.4990, 40.8653,
9.4693

■ 48.4990, 40.8653,
9.4693

■ 46.1489, 36.9501,
6.2669

■ 51.3534, 45.3206,
14.2862

■ 44.2492, 33.5379,
4.4401


■ 54.7515, 50.3367,
20.9070


■ 43.5428, 32.2163,
3.9234

■ 58.7311, 55.9398,
29.4969


■ 63.3252, 62.1524,
40.2015

■ 68.5640, 68.9955,
53.1527

 74.4755, 76.4887,
68.4712

 81.0858, 84.6509,
86.2693

 88.4196, 93.4999,
106.6520

 90.7719, 97.7946,
108.6998

Harmonies

Analogous

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



58.6312, 40.8653, 18.5515



48.4990, 40.8653, 9.4693



37.2262, 40.8653, 7.6062

Triad

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



48.4990, 40.8653, 9.4693



21.5725, 40.8653, 49.3533



51.8637, 40.8653, 113.8681

Complementary

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



48.4990, 40.8653, 9.4693



29.3718, 30.1818, 89.0711

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.



40.5024, 40.8653, 134.2546



48.4990, 40.8653, 9.4693



24.0960, 40.8653, 87.5198

Square

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



48.4990, 40.8653, 9.4693



22.9240, 40.8653, 23.4657



30.5591, 40.8653, 122.8722



60.8132, 40.8653, 75.3740

Rectangle

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



48.4990, 40.8653, 9.4693



30.8318, 40.8653, 9.3182



30.5591, 40.8653, 122.8722



48.1300, 40.8653, 123.7127

Sweetspot

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



48.4999, 40.8674, 9.4700



78.1796, 79.1332, 63.5874



44.3644, 24.5181, 32.9956



16.2468, 16.3132, 12.3719



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



48.4999, 40.8674, 9.4700



50.2632, 39.0598, 5.6981



68.8917, 81.6509, 16.2673



17.1684, 17.8209, 17.3325



24.0322, 17.9499, 2.1980



2.2147, 1.7827, 0.2274

Inverse Universe

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



29.3718, 30.1818, 89.0711



27.9995, 26.5962, 98.2656



19.7078, 10.8537, 85.8497



16.2811, 17.3265, 21.0288



12.9794, 11.7527, 48.1224



1.2436, 1.2387, 4.2638

Previews

White Background



This preview shows how the XYZ color 48.4990, 40.8653, 9.4693 looks on a white 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

Black Background



This preview shows how the XYZ color 48.4990, 40.8653, 9.4693 looks on a black 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

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

XYZ 48.4990, 40.8653, 9.4693

Background



This preview shows how black text looks on a background with the XYZ color 48.4990, 40.8653, 9.4693.



This preview shows how white text looks on a background with the XYZ color 48.4990, 40.8653,

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

48.4990, 40.8653, 9.4693

Protanopia

37.4449, 41.0932, 10.9592

Deuteranopia

41.7874, 40.9078, 9.1836



Tritanopia

53.5945, 40.9146, 33.9267

Trichromacy



Original Color

48.4990, 40.8653, 9.4693

Protanomaly

41.0366, 40.7587, 10.4070

Deuteranomaly

43.9920, 40.7468, 9.2877

Tritanomaly

51.0394, 40.5221, 21.9611

Monochromacy



Original Color

48.4990, 40.8653, 9.4693

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.9728, 38.3022, 25.7611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4990, 40.8653, 9.4693 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(243, 149, 59)` looks like.

```
.text, #text, p{  
    color:rgb(243, 149, 59)  
}
```

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(243, 149, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 149, 59) }
```

Border

The CSS property to change the border of an element to XYZ 48.4990, 40.8653, 9.4693 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(243, 149, 59) }
```


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

```
.border{ border-color:rgb(243, 149, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 149, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 149, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 149, 59);  
box-shadow:4px 4px 4px 4px rgb(243, 149,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4990, 40.8653, 9.4693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 149, 59) }
```

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

```
.background{ background-color: rgb(243,  
149, 59) }
```

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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