

Converting Colors

XYZ(47.8504, 40.7494, 9.7038)

Have a look what the booklet for
XYZ(47.8504, 40.7494, 9.7038)
contains.

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Color

**XYZ(48.0243, 40.8504,
9.7686)**

Conversions

Conversions Part 1

Format	Color
Hex	F1963D
RGB	241, 150, 61
RGB Percent	95%, 59%, 24%
CMY	0.0549, 0.4117, 0.7608
CMYK	0.00, 0.38, 0.75, 0.05
HSL	30°, 87%, 59%
HSV	30°, 75%, 95%
XYZ	48.0243, 40.8504, 9.7686
YIQ	167.0630, 82.8050, -8.3870

Conversions

Conversions Part 2

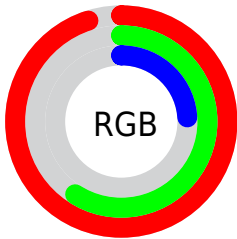
Format	Color
R _Y B	241, 237, 61
Decimal	15832637
CIE Lab	70.07, 27.24, 58.86
CIE LCh	70, 64.863, 65.164
Yxy	40.8504, 0.4868, 0.4141
Android (android.graphics.Color)	4294022717 (0xFFFF1963D)
YUV	167.0630, -52.2891, 64.8427
Hunter-Lab	63.9143, 22.2723, 35.6782

Details

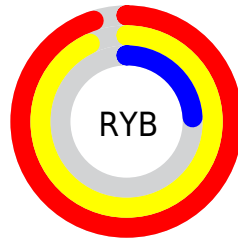
The XYZ color **48.0243, 40.8504, 9.7686** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **29.0291, 29.7978, 87.4401**, and the grayscale version is **36.9810, 38.9069, 42.3696**.

A 20% lighter version of the original color is **66.0520, 66.1149, 24.9029**, and **23.0522, 18.5074, 2.3573** is the 20% darker color. If you saturate the color by 10%, you get **45.6710, 36.9601, 6.4691**, and if you desaturate by 10%, it is **50.8730, 45.2658, 14.6716**.

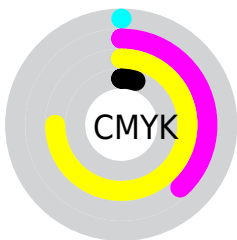
Distribution



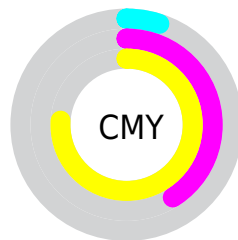
- Red (95%)
- Green (59%)
- Blue (24%)



- Red (95%)
- Yellow (93%)
- Blue (24%)



- Cyan (0%)
- Magenta (38%)
- Yellow (75%)
- Black (5%)





- Cyan (5%)
- Magenta (41%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0243, 40.8504, 9.7686 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 48.0243, 40.8504, 9.7686 by changing the saturation by 10% instead.


 48.0243, 40.8504,
9.7686


 48.0243, 40.8504,
9.7686


369.4694,
349.6950, 199.4369


 34.0575, 28.2022,
5.1422


 86.4501, 76.4567,
25.9603


 23.1008, 18.4781,
2.2707


 111.6397,
100.1837, 38.3627

 14.7891, 11.2938,
0.7148


 141.3010,
128.3723, 54.1942

 8.7568, 6.2648,
0.0000

 175.7992,
161.4071, 73.8733

 4.6388, 3.0068,
0.0000

 215.4999,
199.6723, 97.8186

 2.0695, 1.1353,
0.0000

260.7682,

 0.6725, 0.0079,

243.5525, 126.4486

0.0000

311.9696,
293.4319, 160.1819

■ 0.0000, 0.0000,
0.0000

■ 48.0243, 40.8504,
9.7686

■ 48.0243, 40.8504,
9.7686

■ 45.6710, 36.9601,
6.4691

■ 50.8730, 45.2658,
14.6716

■ 43.7618, 33.5592,
4.5452


■ 54.2549, 50.2256,
21.3602


■ 42.8923, 31.9345,
3.9033


■ 58.2063, 55.7551,
29.9940


■ 62.7591, 61.8756,
40.7141

■ 67.9425, 68.6074,
53.6483

 73.7835, 75.9692,
68.9141

 80.3074, 83.9790,
86.6206

 87.5382, 92.6539,
106.8700

 90.0854, 97.4407,
108.6677

Harmonies

Analogous

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



57.9685, 40.8504, 18.6352



48.0243, 40.8504, 9.7686



37.0227, 40.8504, 8.0090

Triad

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



48.0243, 40.8504, 9.7686



21.8714, 40.8504, 49.9382



51.7764, 40.8504, 111.2257

Complementary

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



48.0243, 40.8504, 9.7686



29.0291, 29.7978, 87.4401

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.



40.6892, 40.8504, 131.5218



48.0243, 40.8504, 9.7686



24.4447, 40.8504, 87.2343

Square

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



48.0243, 40.8504, 9.7686



23.1228, 40.8504, 24.2041



30.8861, 40.8504, 121.1806



60.3962, 40.8504, 73.7489

Rectangle

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



48.0243, 40.8504, 9.7686



30.7954, 40.8504, 9.8201



30.8861, 40.8504, 121.1806



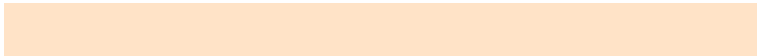
48.1463, 40.8504, 120.9052

Sweetspot

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



48.0252, 40.8525, 9.7694



78.9080, 80.1204, 65.2779



43.7771, 24.3715, 32.9691



16.5195, 16.6776, 13.0206



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.



48.0252, 40.8525, 9.7694



50.6510, 39.7926, 5.9594



67.6921, 80.1863, 16.3250



16.4183, 17.0498, 16.5753



23.3943, 17.5867, 2.1616



2.0456, 1.6619, 0.2130

Inverse Universe

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



29.0291, 29.7978, 87.4401



28.0647, 26.6358, 98.2698



19.6352, 11.0101, 84.3088



15.5577, 16.5495, 20.0960



12.5079, 11.2400, 46.6382



1.1401, 1.1342, 3.9130

Previews

White Background



This preview shows how the XYZ color 48.0243, 40.8504, 9.7686 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 48.0243, 40.8504, 9.7686 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 48.0243, 40.8504, 9.7686

Background



This preview shows how black text looks on a background with the XYZ color 48.0243, 40.8504, 9.7686.



This preview shows how white text looks on a background with the XYZ color 48.0243, 40.8504,

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

48.0243, 40.8504, 9.7686

Protanopia

37.2515, 40.9867, 11.2580

Deuteranopia

41.8600, 40.9369, 9.5662



Tritanopia

53.1168, 40.8769, 34.3686

Trichromacy



Original Color

48.0243, 40.8504, 9.7686

Protanomaly

40.5241, 40.4879, 10.6801

Deuteranomaly

43.7311, 40.6065, 9.5359

Tritanomaly

50.5515, 40.4876, 22.2901

Monochromacy



Original Color

48.0243, 40.8504, 9.7686

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.8893, 38.5176, 25.8070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0243, 40.8504, 9.7686 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(241, 150, 61)` looks like.

```
.text, #text, p{  
    color:rgb(241, 150, 61)  
}
```

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(241, 150, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 150, 61) }
```

Border

The CSS property to change the border of an element to XYZ 48.0243, 40.8504, 9.7686 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(241, 150, 61) }
```


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

```
.border{ border-color:rgb(241, 150, 61) }
```

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

Here you see how a box with a 4 pixel rgb(241, 150, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 150, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 150, 61);  
box-shadow:4px 4px 4px 4px rgb(241, 150,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0243, 40.8504, 9.7686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 150, 61) }
```

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

```
.background{ background-color: rgb(241,  
150, 61) }
```

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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