

Converting Colors

XYZ(48.1206, 41.1849, 7.6987)

Have a look what the booklet for
XYZ(48.1206, 41.1849, 7.6987)
contains.

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Color

**XYZ(48.1206, 41.1849,
7.6987)**

Conversions

Conversions Part 1

Format	Color
Hex	F2972B
RGB	242, 151, 43
RGB Percent	95%, 59%, 17%
CMY	0.0510, 0.4078, 0.8314
CMYK	0.00, 0.38, 0.82, 0.05
HSL	33°, 88%, 56%
HSV	33°, 82%, 95%
XYZ	48.1206, 41.1849, 7.6987
YIQ	165.8970, 88.9040, -14.2960

Conversions

Conversions Part 2

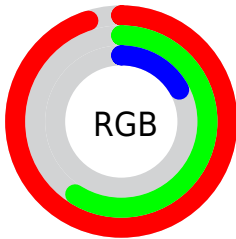
Format	Color
R _Y B	211, 242, 43
Decimal	15898411
CIE Lab	70.31, 26.50, 66.10
CIE LCh	70, 71.214, 68.154
Yxy	41.1849, 0.4961, 0.4246
Android (android.graphics.Color)	4294088491 (0xFFFF2972B)
YUV	165.8970, -60.5882, 66.7423
Hunter-Lab	64.1755, 21.5374, 37.8102

Details

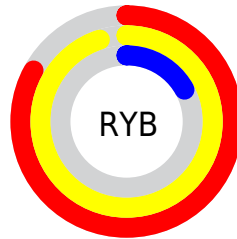
The XYZ color **48.1206, 41.1849, 7.6987** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **25.5478, 23.9734, 87.2846**, and the grayscale version is **36.4504, 38.3487, 41.7617**.

A 20% lighter version of the original color is **65.2759, 65.8045, 20.8164**, and **23.3796, 18.8176, 2.3999** is the 20% darker color. If you saturate the color by 10%, you get **46.1031, 37.6625, 5.4470**, and if you desaturate by 10%, it is **50.5700, 45.1511, 11.3919**.

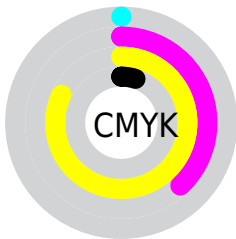
Distribution



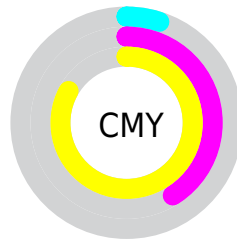
- Red (95%)
- Green (59%)
- Blue (17%)



- Red (83%)
- Yellow (95%)
- Blue (17%)



- Cyan (0%)
- Magenta (38%)
- Yellow (82%)
- Black (5%)





- Cyan (5%)
- Magenta (41%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1206, 41.1849, 7.6987 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 48.1206, 41.1849, 7.6987 by changing the saturation by 10% instead.


 48.1206, 41.1849,
7.6987


 48.1206, 41.1849,
7.6987


369.8446,
351.0928, 183.1948

 34.1341, 28.4636,
3.8178


 86.5925, 76.9645,
21.9020

 23.1600, 18.6754,
1.5259


 111.8087,
100.7916, 33.0614


 14.8330, 11.4360,
0.2371


 141.4987,
129.0894, 47.4840

 8.7878, 6.3609,
0.0000

 176.0279,
162.2423, 65.5884

 4.6590, 3.0657,
0.0000

 215.7618,
200.6347, 87.7932

 2.0813, 1.1662,
0.0000

 261.0656,

 0.6790, 0.0338,

244.6510, 114.5168

0.0000

312.3048,
294.6755, 146.1778

■ 0.0000, 0.0000,
0.0000

■ 48.1206, 41.1849,
7.6987

■ 48.1206, 41.1849,
7.6987

■ 46.1031, 37.6625,
5.4470

■ 50.5700, 45.1511,
11.3919


■ 44.7802, 35.2021,
4.4345


■ 53.4935, 49.5796,
16.7394


■ 56.9299, 54.4946,
23.9202


■ 60.9123, 59.9158,
33.0894

■ 65.4708, 65.8616,
44.3853

 70.6329, 72.3491,
57.9338

 76.4240, 79.3945,
73.8509

 82.8681, 87.0131,
92.2445

 89.0392, 94.8401,
108.2208

Harmonies

Analogous

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



59.6177, 41.1849, 15.6693



48.1206, 41.1849, 7.6987



36.0423, 41.1849, 6.5356

Triad

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



48.1206, 41.1849, 7.6987



20.8419, 41.1849, 54.6090



54.7405, 41.1849, 116.9155

Complementary

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



48.1206, 41.1849, 7.6987



25.5478, 23.9734, 87.2846

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.



42.4209, 41.1849, 143.5377



48.1206, 41.1849, 7.6987



23.9946, 41.1849, 97.5369

Square

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



48.1206, 41.1849, 7.6987



21.7665, 41.1849, 24.8985



31.3613, 41.1849, 135.0809



63.9389, 41.1849, 73.3215

Rectangle

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



48.1206, 41.1849, 7.6987



29.4668, 41.1849, 8.6611



31.3613, 41.1849, 135.0809



50.7395, 41.1849, 128.9318

Sweetspot

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



48.1215, 41.1870, 7.6995



77.8271, 79.3437, 60.6475



41.9162, 22.3789, 25.3538



16.2177, 16.4300, 11.8229



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.



48.1215, 41.1870, 7.6995



50.5687, 39.8950, 5.1085



66.5699, 81.4027, 14.4895



16.4836, 17.1804, 16.5971



24.1949, 19.1879, 2.4284



2.1122, 1.7950, 0.2351

Inverse Universe

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



25.5478, 23.9734, 87.2846



24.5585, 20.1897, 97.2104



18.1884, 8.8077, 84.7452



15.4927, 16.4195, 20.0743



11.7765, 9.7772, 46.3944



1.0780, 1.0100, 3.8923

Previews

White Background



This preview shows how the XYZ color 48.1206, 41.1849, 7.6987 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 48.1206, 41.1849, 7.6987 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 48.1206, 41.1849, 7.6987

Background



This preview shows how black text looks on a background with the XYZ color 48.1206, 41.1849, 7.6987.



This preview shows how white text looks on a background with the XYZ color 48.1206, 41.1849,

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

48.1206, 41.1849, 7.6987

Protanopia

37.4903, 41.4463, 8.9297

Deuteranopia

42.0464, 41.0797, 7.4633



Tritanopia

53.8222, 41.2406, 34.4016

Trichromacy



Original Color

48.1206, 41.1849, 7.6987

Protanomaly

40.8322, 40.9644, 8.4442

Deuteranomaly

44.1284, 41.1115, 7.5290

Tritanomaly

51.0561, 41.0135, 20.5547

Monochromacy



Original Color

48.1206, 41.1849, 7.6987

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

38.4442, 38.3395, 23.4632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1206, 41.1849, 7.6987 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(242, 151, 43)` looks like.

```
.text, #text, p{  
    color:rgb(242, 151, 43)  
}
```

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(242, 151, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 151, 43) }
```

Border

The CSS property to change the border of an element to XYZ 48.1206, 41.1849, 7.6987 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(242, 151, 43) }
```


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

```
.border{ border-color:rgb(242, 151, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 151, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 151, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 151, 43);  
box-shadow:4px 4px 4px 4px rgb(242, 151,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1206, 41.1849, 7.6987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 151, 43) }
```

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

```
.background{ background-color: rgb(242,  
151, 43) }
```

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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