

Converting Colors

XYZ(47.7979, 41.7241, 11.9278)

Have a look what the booklet for
XYZ(47.7979, 41.7241, 11.9278)
contains.

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Color

**XYZ(47.7167, 41.6101,
11.9952)**

Conversions

Conversions Part 1

Format	Color
Hex	ED9A4A
RGB	237, 154, 74
RGB Percent	93%, 60%, 29%
CMY	0.0706, 0.3961, 0.7098
CMYK	0.00, 0.35, 0.69, 0.07
HSL	29°, 82%, 61%
HSV	29°, 69%, 93%
XYZ	47.7167, 41.6101, 11.9952
YIQ	169.6970, 75.1480, -7.2840

Conversions

Conversions Part 2

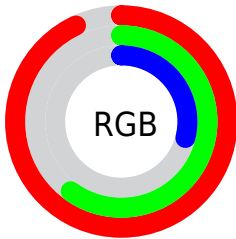
Format	Color
RYB	237, 231, 74
Decimal	15571530
CIELab	70.60, 24.11, 53.44
CIElCh	71, 58.622, 65.719
Yxy	41.6101, 0.4709, 0.4107
Android (android.graphics.Color)	4293761610 (0xFFED9A4A)
YUV	169.6970, -47.1786, 59.0247
Hunter-Lab	64.5059, 19.1558, 34.1288

Details

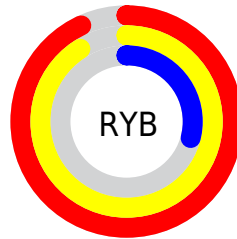
The XYZ color **47.7167, 41.6101, 11.9952** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **30.1664, 31.6828, 84.6458**, and the grayscale version is **38.2598, 40.2523, 43.8347**.

A 20% lighter version of the original color is **67.8064, 68.3673, 29.3611**, and **22.8901, 18.9847, 3.1674** is the 20% darker color. If you saturate the color by 10%, you get **45.1711, 37.5653, 7.9220**, and if you desaturate by 10%, it is **50.7651, 46.1799, 17.7198**.

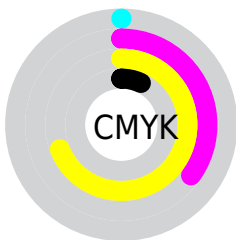
Distribution



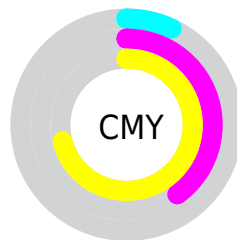
- Red (93%)
- Green (60%)
- Blue (29%)



- Red (93%)
- Yellow (91%)
- Blue (29%)



- Cyan (0%)
- Magenta (35%)
- Yellow (69%)
- Black (7%)



- Cyan (7%)
- Magenta (40%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7167, 41.6101, 11.9952 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 47.7167, 41.6101, 11.9952 by changing the saturation by 10% instead.

47.7167, 41.6101,
11.9952

47.7167, 41.6101,
11.9952

368.2694,
352.8641, 215.3503

33.8129, 28.7961,
6.6179

85.9947, 77.6092,
30.1506

22.9121, 18.9266,
3.1495

111.0996,
101.5631, 43.7659

14.6490, 11.6173,
1.1715

140.6690,
129.9991, 60.9641

8.6581, 6.4836,
0.0000

175.0681,
163.3015, 82.1640

4.5742, 3.1413,
0.0000

214.6623,
201.8549, 107.7840

2.0318, 1.2060,
0.0000

259.8171,

0.6517, 0.0666,

246.0435, 138.2427

0.0000

310.8976,
296.2518, 173.9586

■ 0.0000, 0.0000,
0.0000

■ 47.7167, 41.6101,
11.9952

■ 47.7167, 41.6101,
11.9952

■ 45.1711, 37.5653,
7.9220

■ 50.7651, 46.1799,
17.7198

■ 43.0837, 34.0130,
5.3074

■ 54.3493, 51.2917,
25.2546


■ 41.3962, 30.9217,
3.8700


■ 58.5022, 56.9691,
34.7422


■ 41.2080, 30.5707,
3.7288

■ 63.2530, 63.2321,
46.3101

■ 68.6285, 70.0994,
60.0749

 74.6537, 77.5888,
76.1443

 81.3522, 85.7173,
94.6192

 87.3300, 93.9347,
108.1362

 88.7349, 96.7444,
108.6045

Harmonies

Analogous

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



56.6878, 41.6101, 20.7476



47.7167, 41.6101, 11.9952



37.7213, 41.6101, 10.2505

Triad

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



47.7167, 41.6101, 11.9952



23.7552, 41.6101, 50.8347



51.4550, 41.6101, 103.9090

Complementary

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



47.7167, 41.6101, 11.9952



30.1664, 31.6828, 84.6458

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.



41.4351, 41.6101, 121.8480



47.7167, 41.6101, 11.9952



26.2681, 41.6101, 84.1467

Square

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



47.7167, 41.6101, 11.9952



24.8799, 41.6101, 26.7147



32.3712, 41.6101, 113.4339



59.0812, 41.6101, 70.9834

Rectangle

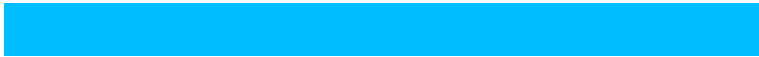
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.7167, 41.6101, 11.9952



32.0018, 41.6101, 12.2301



32.3712, 41.6101, 113.4339



48.1986, 41.6101, 112.3936

Sweetspot

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



47.7177, 41.6122, 11.9960



79.5059, 80.8388, 66.9493



43.5641, 25.3784, 35.0485



16.6351, 16.8161, 13.3451



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.



47.7177, 41.6122, 11.9960



52.1527, 42.3774, 7.7502



65.6644, 77.5057, 17.9782



15.6759, 16.2749, 15.8339



22.6289, 16.9521, 2.0794



1.8730, 1.5233, 0.1953

Inverse Universe

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



30.1664, 31.6828, 84.6458



30.1462, 29.9116, 98.7924



20.7445, 12.8389, 81.5051



14.8653, 15.8170, 19.1917



12.1888, 11.0246, 45.2285



1.0534, 1.0583, 3.5836

Previews

White Background



This preview shows how the XYZ color 47.7167, 41.6101, 11.9952 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 47.7167, 41.6101, 11.9952 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 47.7167, 41.6101, 11.9952

Background



This preview shows how black text looks on a background with the XYZ color 47.7167, 41.6101, 11.9952.



This preview shows how white text looks on a background with the XYZ color 47.7167, 41.6101,

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

47.7167, 41.6101, 11.9952

Protanopia

38.1298, 41.6728, 13.6234

Deuteranopia

42.6168, 41.8123, 11.7857



Tritanopia

52.7441, 41.5283, 36.6883

Trichromacy



Original Color

47.7167, 41.6101, 11.9952

Protanomaly

41.0238, 41.2324, 13.0042

Deuteranomaly

44.3460, 41.6456, 11.8320

Tritanomaly

50.2910, 41.2114, 25.0426

Monochromacy



Original Color

47.7167, 41.6101, 11.9952

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

39.8968, 39.7695, 28.4952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7167, 41.6101, 11.9952 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(237, 154, 74)` looks like.

```
.text, #text, p{  
    color:rgb(237, 154, 74)  
}
```

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(237, 154, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 154, 74) }
```

Border

The CSS property to change the border of an element to XYZ 47.7167, 41.6101, 11.9952 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(237, 154, 74) }
```


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

```
.border{ border-color:rgb(237, 154, 74) }
```

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

Here you see how a box with a 4 pixel rgb(237, 154, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 154, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 154, 74);  
box-shadow:4px 4px 4px 4px rgb(237, 154,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7167, 41.6101, 11.9952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 154, 74) }
```

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

```
.background{ background-color: rgb(237,  
154, 74) }
```

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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