

Converting Colors

XYZ(47.9019, 36.6284, 8.4164)

Have a look what the booklet for
XYZ(47.9019, 36.6284, 8.4164)
contains.

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Color

**XYZ(47.9217, 36.6677,
8.4227)**

Conversions

Conversions Part 1

Format	Color
Hex	F98339
RGB	249, 131, 57
RGB Percent	98%, 51%, 22%
CMY	0.0235, 0.4862, 0.7765
CMYK	0.00, 0.47, 0.77, 0.02
HSL	23°, 94%, 60%
HSV	23°, 77%, 98%
XYZ	47.9217, 36.6677, 8.4227
YIQ	157.8460, 94.0820, 2.0020

Conversions

Conversions Part 2

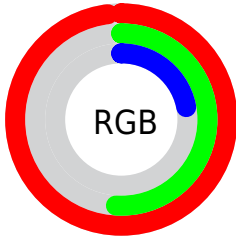
Format	Color
R_{YB}	249, 177, 57
Decimal	16352057
CIE Lab	67.03, 40.08, 57.93
CIE LCh	67, 70.446, 55.323
Yxy	36.6677, 0.5152, 0.3942
Android (android.graphics.Color)	4294542137 (0xFFFF98339)
YUV	157.8460, -49.7171, 79.9421
Hunter-Lab	60.5539, 35.2938, 34.1408

Details

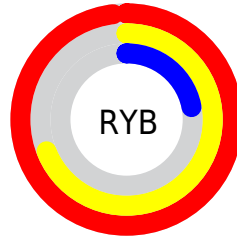
The XYZ color **47.9217, 36.6677, 8.4227** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **34.1149, 38.3669, 95.2293**, and the grayscale version is **32.6190, 34.3178, 37.3720**.

A 20% lighter version of the original color is **61.3493, 57.0621, 22.2486**, and **23.0457, 16.0311, 1.8797** is the 20% darker color. If you saturate the color by 10%, you get **45.5402, 32.6674, 5.2790**, and if you desaturate by 10%, it is **50.9126, 41.4007, 13.2709**.

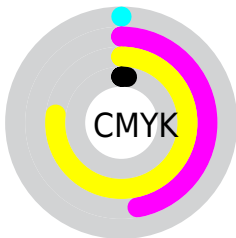
Distribution



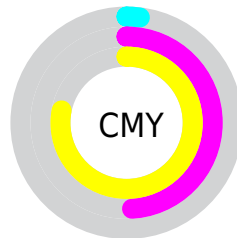
- Red (98%)
- Green (51%)
- Blue (22%)



- Red (98%)
- Yellow (69%)
- Blue (22%)



- Cyan (0%)
- Magenta (47%)
- Yellow (77%)
- Black (2%)





- Cyan (2%)
- Magenta (49%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9217, 36.6677, 8.4227 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 47.9217, 36.6677, 8.4227 by changing the saturation by 10% instead.


 47.9217, 36.6677,
8.4227


 47.9217, 36.6677,
8.4227

369.0694,
331.8696, 189.0676

 33.9759, 24.9503,
4.2750


 86.2982, 70.0614,
23.3427


 23.0379, 16.0400,
1.7774


 111.4596, 92.5065,
34.9521


 14.7423, 9.5525,
0.4130


 141.0903,
119.2963, 49.8858

 8.7239, 5.1033,
0.0000

 175.5555,
150.8152, 68.5623

 4.6172, 2.3080,
0.0000

 215.2207,
187.4476, 91.4002

 2.0569, 0.7779,
0.0000

 260.4511,

 0.6656, 0.0000,

229.5779, 118.8180

0.0000

311.6123,
277.5904, 151.2343

■ 0.0000, 0.0000,
0.0000

■ 47.9217, 36.6677,
8.4227

■ 47.9217, 36.6677,
8.4227

■ 45.5402, 32.6674,
5.2790

■ 50.9126, 41.4007,
13.2709

■ 43.7020, 29.3473,
3.5681

■ 54.5622, 46.9012,
20.0325

■ 43.2474, 28.5011,
3.2219

■ 58.9163, 53.2078,
28.8879

■ 64.0157, 60.3548,
39.9960

■ 69.8974, 68.3738,
53.5000

76.5959, 77.2951,
69.5311

84.1435, 87.1470,
88.2110

92.3763, 97.8790,
108.6315

92.8766, 98.8796,
108.7983

Harmonies

Analogous

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



56.9616, 36.6677, 19.6483



47.9217, 36.6677, 8.4227



36.5569, 36.6677, 5.2813

Triad

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



47.9217, 36.6677, 8.4227



18.1001, 36.6677, 35.3087



44.4164, 36.6677, 120.4185

Complementary

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



47.9217, 36.6677, 8.4227



34.1149, 38.3669, 95.2293

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.



33.2001, 36.6677, 132.1961



47.9217, 36.6677, 8.4227



19.3618, 36.6677, 70.8145

Square

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



47.9217, 36.6677, 8.4227



20.5183, 36.6677, 14.9024



24.4043, 36.6677, 110.6610



54.6646, 36.6677, 83.7268

Rectangle

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



47.9217, 36.6677, 8.4227



29.6909, 36.6677, 5.7898



24.4043, 36.6677, 110.6610



40.5780, 36.6677, 128.0223

Sweetspot

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



47.9225, 36.6697, 8.4233



76.5639, 75.9019, 63.0489



48.3071, 26.1770, 43.2705



15.8590, 15.5375, 12.2426



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.



47.9225, 36.6697, 8.4233



46.8444, 32.2960, 4.3306



67.1649, 75.1543, 14.8375



17.7931, 18.3221, 18.0611



23.2771, 15.5108, 1.7670



2.2550, 1.6349, 0.1967

Inverse Universe

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



34.1149, 38.3669, 95.2293



31.4989, 33.7516, 99.4623



21.6113, 13.3595, 91.0614



17.1712, 18.4192, 22.0355



15.3942, 16.1439, 50.2783



1.5284, 1.7005, 4.6909

Previews

White Background



This preview shows how the XYZ color 47.9217, 36.6677, 8.4227 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 47.9217, 36.6677, 8.4227 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 47.9217, 36.6677, 8.4227

Background



This preview shows how black text looks on a background with the XYZ color 47.9217, 36.6677, 8.4227.



This preview shows how white text looks on a background with the XYZ color 47.9217, 36.6677,

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

47.9217, 36.6677, 8.4227

Protanopia

33.5502, 36.8894, 10.5063

Deuteranopia

37.4526, 36.6436, 8.0047



Tritanopia

51.7558, 36.7145, 26.1886

Trichromacy



Original Color

47.9217, 36.6677, 8.4227

Protanomaly

37.5790, 35.9372, 9.6586

Deuteranomaly

40.7175, 36.1779, 8.0858

Tritanomaly

50.1555, 36.6371, 17.7928

Monochromacy



Original Color

47.9217, 36.6677, 8.4227

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

35.5270, 33.6367, 22.7092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9217, 36.6677, 8.4227 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(249, 131, 57)` looks like.

```
.text, #text, p{  
    color:rgb(249, 131, 57)  
}
```

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(249, 131, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 131, 57) }
```

Border

The CSS property to change the border of an element to XYZ 47.9217, 36.6677, 8.4227 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(249, 131, 57) }
```


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

```
.border{ border-color:rgb(249, 131, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 131, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 131, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 131, 57);  
box-shadow:4px 4px 4px 4px rgb(249, 131,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9217, 36.6677, 8.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 131, 57) }
```

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

```
.background{ background-color: rgb(249,  
131, 57) }
```

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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