

Converting Colors

XYZ(47.8805, 36.6771, 6.5619)

Have a look what the booklet for
XYZ(47.8805, 36.6771, 6.5619)
contains.

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Color

**XYZ(47.9236, 36.7098,
6.5673)**

Conversions

Conversions Part 1

Format	Color
Hex	FA8328
RGB	250, 131, 40
RGB Percent	98%, 51%, 16%
CMY	0.0196, 0.4862, 0.8431
CMYK	0.00, 0.48, 0.84, 0.02
HSL	26°, 95%, 57%
HSV	26°, 84%, 98%
XYZ	47.9236, 36.7098, 6.5673
YIQ	156.2070, 100.1350, -3.0730

Conversions

Conversions Part 2

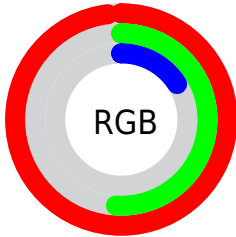
Format	Color
R _Y B	250, 201, 40
Decimal	16417576
CIE Lab	67.06, 39.95, 64.77
CIE LCh	67, 76.100, 58.335
Yxy	36.7098, 0.5255, 0.4025
Android (android.graphics.Color)	4294607656 (0xFFFA8328)
YUV	156.2070, -57.2901, 82.2565
Hunter-Lab	60.5886, 35.1576, 35.9855

Details

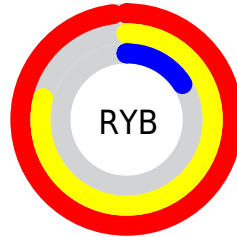
The XYZ color **47.9236, 36.7098, 6.5673** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **30.5274, 32.1474, 95.0378**, and the grayscale version is **31.9103, 33.5721, 36.5600**.

A 20% lighter version of the original color is **60.6093, 56.7661, 18.3522**, and **23.0457, 16.0311, 1.8797** is the 20% darker color. If you saturate the color by 10%, you get **45.8531, 33.0442, 4.4135**, and if you desaturate by 10%, it is **50.5302, 41.0095, 10.2538**.

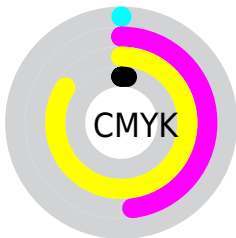
Distribution



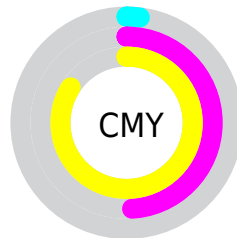
- Red (98%)
- Green (51%)
- Blue (16%)



- Red (98%)
- Yellow (79%)
- Blue (16%)



- Cyan (0%)
- Magenta (48%)
- Yellow (84%)
- Black (2%)





- Cyan (2%)
- Magenta (49%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9236, 36.7098, 6.5673 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 47.9236, 36.7098, 6.5673 by changing the saturation by 10% instead.


 47.9236, 36.7098,
6.5673


 47.9236, 36.7098,
6.5673

369.0768,
332.0524, 173.5104

 33.9774, 24.9829,
3.1187


 86.3010, 70.1262,
19.5951

 23.0390, 16.0643,
1.1556


 111.4629, 92.5845,
30.0114


 14.7432, 9.5697,
0.0000


 141.0942,
119.3887, 43.5873

 8.7245, 5.1146,
0.0000

 175.5600,
150.9233, 60.7414

 4.6176, 2.3146,
0.0000

 215.2258,
187.5725, 81.8923

 2.0571, 0.7814,
0.0000

 260.4570,

 0.6657, 0.0000,

229.7209, 107.4583

0.0000

311.6189,
277.7527, 137.8582

■ 0.0000, 0.0000,
0.0000

■ 47.9236, 36.7098,
6.5673

■ 47.9236, 36.7098,
6.5673

■ 45.8531, 33.0442,
4.4135

■ 50.5302, 41.0095,
10.2538

■ 44.8226, 31.1210,
3.6445

■ 53.7262, 45.9753,
15.7159

■ 57.5593, 51.6430,
23.1549

■ 62.0709, 58.0435,
32.7440

■ 67.2980, 65.2051,
44.6373

73.2751, 73.1548,
58.9748

80.0338, 81.9178,
75.8850

87.6039, 91.5180,
95.4873

93.2340, 99.0638,
108.8150

Harmonies

Analogous

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



58.3682, 36.7098, 16.7137



47.9236, 36.7098, 6.5673



35.5422, 36.7098, 4.1187

Triad

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



47.9236, 36.7098, 6.5673



17.0419, 36.7098, 38.1473



46.5530, 36.7098, 126.3824

Complementary

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



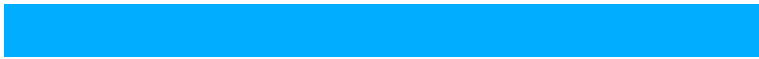
47.9236, 36.7098, 6.5673



30.5274, 32.1474, 95.0378

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.



34.2489, 36.7098, 143.4896



47.9236, 36.7098, 6.5673



18.7430, 36.7098, 78.4836

Square

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



47.9236, 36.7098, 6.5673



19.1736, 36.7098, 14.9835



24.4662, 36.7098, 122.4348



57.4617, 36.7098, 83.6214

Rectangle

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



47.9236, 36.7098, 6.5673



28.3501, 36.7098, 4.8648



24.4662, 36.7098, 122.4348



42.3690, 36.7098, 136.0993

Sweetspot

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



47.9244, 36.7118, 6.5679



75.9710, 75.6315, 60.0288



46.4409, 24.3448, 35.0525



15.7769, 15.5483, 11.6759



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.



47.9244, 36.7118, 6.5679



46.8709, 32.5219, 3.8070



69.8023, 80.4675, 13.8606



17.8633, 18.4625, 18.0845



23.9124, 16.7814, 1.9788



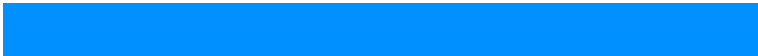
2.3179, 1.7606, 0.2177

Inverse Universe

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



30.5274, 32.1474, 95.0378



28.0979, 27.3158, 98.3993



19.4496, 9.9918, 91.3452



17.0993, 18.2754, 22.0116



14.4025, 14.1606, 49.9477



1.4393, 1.5223, 4.6611

Previews

White Background



This preview shows how the XYZ color 47.9236, 36.7098, 6.5673 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 47.9236, 36.7098, 6.5673 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 47.9236, 36.7098, 6.5673

Background



This preview shows how black text looks on a background with the XYZ color 47.9236, 36.7098, 6.5673.



This preview shows how white text looks on a background with the XYZ color 47.9236, 36.7098,

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

47.9236, 36.7098, 6.5673

Protanopia

33.3374, 36.8316, 8.1484

Deuteranopia

37.3845, 36.6483, 6.2021



Tritanopia

51.9293, 36.6286, 25.8058

Trichromacy



Original Color

47.9236, 36.7098, 6.5673

Protanomaly

37.4340, 35.9113, 7.4412

Deuteranomaly

40.6638, 36.1916, 6.2090

Tritanomaly

50.0462, 36.4317, 15.9496

Monochromacy



Original Color

47.9236, 36.7098, 6.5673

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.7062, 33.0295, 20.4657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9236, 36.7098, 6.5673 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(250, 131, 40)` looks like.

```
.text, #text, p{  
    color:rgb(250, 131, 40)  
}
```

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(250, 131, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 131, 40) }
```

Border

The CSS property to change the border of an element to XYZ 47.9236, 36.7098, 6.5673 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(250, 131, 40) }
```


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

```
.border{ border-color:rgb(250, 131, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 131, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 131, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 131, 40);  
box-shadow:4px 4px 4px 4px rgb(250, 131,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9236, 36.7098, 6.5673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 131, 40) }
```

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

```
.background{ background-color: rgb(250,  
131, 40) }
```

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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