

Converting Colors

XYZ(47.7146, 34.1425, 4.2952)

Have a look what the booklet for
XYZ(47.7146, 34.1425, 4.2952)
contains.

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Color

**XYZ(47.7623, 34.2344,
4.3203)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7608
RGB	255, 118, 8
RGB Percent	100%, 46%, 3%
CMY	0.0000, 0.5372, 0.9686
CMYK	0.00, 0.54, 0.97, 0.00
HSL	27°, 100%, 52%
HSV	27°, 97%, 100%
XYZ	47.7623, 34.2344, 4.3203
YIQ	146.4230, 116.9620, -5.1660

Conversions

Conversions Part 2

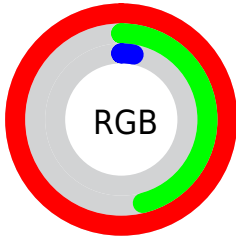
Format	Color
R _Y B	255, 206, 8
Decimal	16741896
CIE Lab	65.15, 47.74, 71.70
CIE LCh	65, 86.134, 56.343
Yxy	34.2344, 0.5533, 0.3966
Android (android.graphics.Color)	4294931976 (0xFFFF7608)
YUV	146.4230, -68.2425, 95.2220
Hunter-Lab	58.5102, 43.3181, 36.5792

Details

The XYZ color **47.7623, 34.2344, 4.3203** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **28.2755, 27.5223, 98.4291**, and the grayscale version is **27.7352, 29.1796, 31.7766**.

A 20% lighter version of the original color is **57.4196, 51.6416, 13.4200**, and **23.1255, 14.7277, 1.6239** is the 20% darker color. If you saturate the color by 10%, you get **47.2082, 33.1969, 3.9195**, and if you desaturate by 10%, it is **49.7933, 37.9163, 6.1707**.

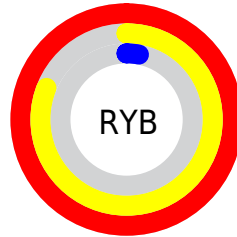
Distribution



Red (100%)

Green (46%)

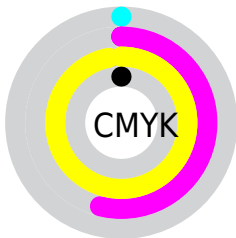
Blue (3%)



Red (100%)

Yellow (81%)

Blue (3%)

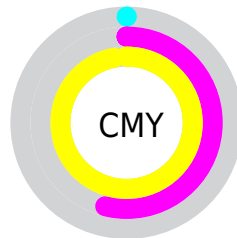


Cyan (0%)

Magenta (54%)

Yellow (97%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7623, 34.2344, 4.3203 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 47.7623, 34.2344, 4.3203 by changing the saturation by 10% instead.


 47.7623, 34.2344,
4.3203


 47.7623, 34.2344,
4.3203

368.4475,
321.1760, 151.7216

 33.8492, 23.0737,
1.8027


 86.0622, 66.2980,
14.7420


 22.9401, 14.6480,
0.4297

 111.1797, 87.9697,
23.4831

 14.6697, 8.5727,
0.0000


 140.7627,
113.9140, 35.1358

 8.6727, 4.4635,
0.0000

 175.1765,
144.5150, 50.1186

 4.5837, 1.9361,
0.0000

 214.7866,
180.1574, 68.8500


 2.0374, 0.5699,
0.0000

 259.9582,


 0.6548, 0.0000,


221.2254, 91.7486


0.0000


 311.0567,
268.1035, 119.2330


 0.0000, 0.0000,
0.0000

 47.7623, 34.2344,
4.3203


 47.7623, 34.2344,
4.3203


 47.2082, 33.1969,
3.9195

 49.7933, 37.9163,
6.1707

 52.3538, 42.2246,
9.5297

 55.5069, 47.2019,
14.6777

 59.3034, 52.8832,
21.8362

 63.7873, 59.3005,
31.1941

68.9983, 66.4831,
42.9181

74.9727, 74.4584,
57.1588

81.7437, 83.2523,
74.0539

89.3429, 92.8894,
93.7314

Harmonies

Analogous

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



59.1846, 34.2344, 14.3118



47.7623, 34.2344, 4.3203



34.0962, 34.2344, 2.1374

Triad

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



47.7623, 34.2344, 4.3203



13.9618, 34.2344, 33.0546



44.4138, 34.2344, 139.2674

Complementary

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



47.7623, 34.2344, 4.3203



28.2755, 27.5223, 98.4291

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.



31.0295, 34.2344, 156.8347



47.7623, 34.2344, 4.3203



15.4009, 34.2344, 76.9303

Square

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



47.7623, 34.2344, 4.3203



16.3510, 34.2344, 10.6583



20.9517, 34.2344, 128.9600



56.9292, 34.2344, 89.9292

Rectangle

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



47.7623, 34.2344, 4.3203



26.2325, 34.2344, 2.5548



20.9517, 34.2344, 128.9600



39.7824, 34.2344, 150.0504

Sweetspot

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



47.7630, 34.2363, 4.3209



73.6282, 72.6835, 53.8917



46.6696, 23.5709, 30.0945



15.2089, 14.8238, 10.2180



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.



47.7630, 34.2363, 4.3209



47.2086, 33.1971, 3.9195



72.0136, 82.7374, 12.4044



18.6753, 19.3188, 18.8889



24.8111, 17.6334, 2.0959



2.5227, 1.9308, 0.2397

Inverse Universe

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



28.2755, 27.5223, 98.4291



27.6389, 26.3977, 98.2463



18.4866, 7.9447, 95.1662



17.8385, 19.0486, 22.9865



14.5933, 14.0961, 51.3863



1.5299, 1.5906, 5.0396

Previews

White Background



This preview shows how the XYZ color 47.7623, 34.2344, 4.3203 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 47.7623, 34.2344, 4.3203 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 47.7623, 34.2344, 4.3203

Background



This preview shows how black text looks on a background with the XYZ color 47.7623, 34.2344, 4.3203.



This preview shows how white text looks on a background with the XYZ color 47.7623, 34.2344,

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

47.7623, 34.2344, 4.3203

Protanopia

31.1640, 34.4502, 5.9267

Deuteranopia

34.7258, 34.0921, 4.7502



Tritanopia

50.3639, 34.1803, 21.3957

Trichromacy



Original Color

47.7623, 34.2344, 4.3203

Protanomaly

35.8229, 33.2589, 5.1476

Deuteranomaly

38.6201, 33.3992, 4.4973

Tritanomaly

48.6686, 33.8591, 11.3675

Monochromacy



Original Color

47.7623, 34.2344, 4.3203

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.1652, 28.8920, 15.0005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7623, 34.2344, 4.3203 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(255, 118, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 8)  
}
```

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(255, 118, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 8) }
```

Border

The CSS property to change the border of an element to XYZ 47.7623, 34.2344, 4.3203 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(255, 118, 8) }
```


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

```
.border{ border-color:rgb(255, 118, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 8);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
8) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7623, 34.2344, 4.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 8) }
```

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

```
.background{ background-color: rgb(255,  
118, 8) }
```

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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