

Converting Colors

XYZ(46.9828, 32.7456, 3.8443)

Have a look what the booklet for
XYZ(46.9828, 32.7456, 3.8443)
contains.

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Color

**XYZ(47.0342, 32.8483,
3.8614)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7000
RGB	255, 112, 0
RGB Percent	100%, 44%, 0%
CMY	0.0000, 0.5607, 1.0000
CMYK	0.00, 0.56, 1.00, 0.00
HSL	26°, 100%, 50%
HSV	26°, 100%, 100%
XYZ	47.0342, 32.8483, 3.8614
YIQ	141.9890, 121.1800, -4.5160

Conversions

Conversions Part 2

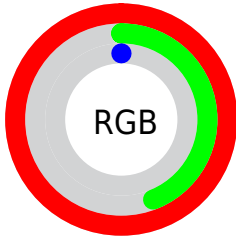
Format	Color
R _{YB}	255, 200, 0
Decimal	16740352
CIE Lab	64.04, 50.49, 72.29
CIE LCh	64, 88.176, 55.066
Yxy	32.8483, 0.5616, 0.3922
Android (android.graphics.Color)	4294930432 (0xFFFF7000)
YUV	141.9890, -70.0006, 99.1106
Hunter-Lab	57.3134, 46.1873, 36.1248

Details

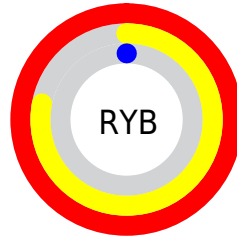
The XYZ color **47.0342, 32.8483, 3.8614** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.8723, 26.8645, 98.3235**, and the grayscale version is **25.9431, 27.2942, 29.7234**.

A 20% lighter version of the original color is **56.1642, 49.3396, 12.3577**, and **22.7483, 13.9733, 1.4981** is the 20% darker color. If you saturate the color by 10%, you get **47.0344, 32.8491, 3.8615**, and if you desaturate by 10%, it is **48.9211, 36.3329, 5.3832**.

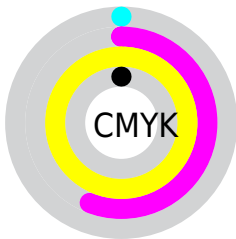
Distribution



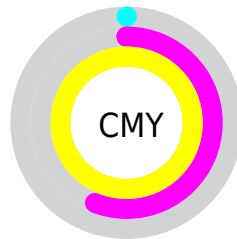
- Red (100%)
- Green (44%)
- Blue (0%)



- Red (100%)
- Yellow (78%)
- Blue (0%)



- Cyan (0%)
- Magenta (56%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (56%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0342, 32.8483, 3.8614 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 47.0342, 32.8483, 3.8614 by changing the saturation by 10% instead.


 47.0342, 32.8483,
3.8614


 47.0342, 32.8483,
3.8614


365.5977,
314.9656, 146.6721


 33.2708, 22.0103,
1.5496


 84.9831, 64.1386,
13.6888

 22.4942, 13.8644,
0.2545


 109.8993, 85.3597,
22.0416

 14.3391, 8.0264,
0.0000


 139.2637,
110.8105, 33.2450

 8.4402, 4.1119,
0.0000

 173.4418,
140.8756, 47.7177

 4.4320, 1.7363,
0.0000

 212.7989,
175.9392, 65.8783


 1.9493, 0.4470,
0.0000

 257.7003,


 0.6053, 0.0000,


216.3859, 88.1452


0.0000


 308.5115,
262.5998, 114.9369


 0.0000, 0.0000,
0.0000


 47.0342, 32.8483,
3.8614


 47.0342, 32.8483,
3.8614


 47.0344, 32.8491,
3.8615

 48.9211, 36.3329,
5.3832

 51.3046, 40.4332,
8.2333

 54.2679, 45.2006,
12.7948

 57.8649, 50.6723,
19.3034

 62.1418, 56.8817,
27.9567

67.1399, 63.8595,
38.9278

72.8965, 71.6343,
52.3720

79.4463, 80.2330,
68.4308

86.8214, 89.6811,
87.2351

Harmonies

Analogous

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



58.3141, 32.8483, 13.8734



47.0342, 32.8483, 3.8614



33.3260, 32.8483, 1.7164

Triad

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



47.0342, 32.8483, 3.8614



12.9285, 32.8483, 30.1873



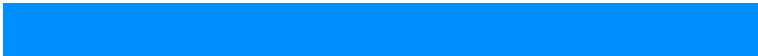
42.5013, 32.8483, 140.7506

Complementary

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



47.0342, 32.8483, 3.8614



27.8723, 26.8645, 98.3235

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.



29.2072, 32.8483, 156.7847



47.0342, 32.8483, 3.8614



14.1694, 32.8483, 73.3850

Square

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



47.0342, 32.8483, 3.8614



15.4206, 32.8483, 9.1190



19.4212, 32.8483, 126.5572



55.2466, 32.8483, 91.1441

Rectangle

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



47.0342, 32.8483, 3.8614



25.4030, 32.8483, 2.0093



19.4212, 32.8483, 126.5572



37.8664, 32.8483, 151.2205

Sweetspot

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



47.0349, 32.8502, 3.8619



72.8950, 71.6321, 52.3676



46.3124, 23.2891, 28.6419



15.0628, 14.6094, 9.9291



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.



47.0349, 32.8502, 3.8619



47.0347, 32.8493, 3.8616



71.8143, 82.4089, 12.1217



18.6659, 19.2999, 18.8858



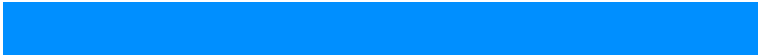
24.7194, 17.4500, 2.0653



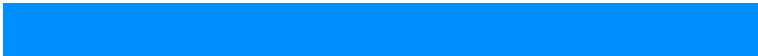
2.5134, 1.9122, 0.2366

Inverse Universe

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



27.8723, 26.8645, 98.3235



27.8718, 26.8636, 98.3239



18.2506, 7.6211, 95.1162



17.8481, 19.0678, 22.9897



14.7150, 14.3395, 51.4268



1.5416, 1.6139, 5.0435

Previews

White Background



This preview shows how the XYZ color 47.0342, 32.8483, 3.8614 looks on a white background.

Color Contrast Check

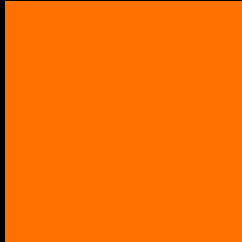
Large Text (above 18pt) WCAG AA × Fail

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 47.0342, 32.8483, 3.8614 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 47.0342, 32.8483, 3.8614

Background



This preview shows how black text looks on a background with the XYZ color 47.0342, 32.8483, 3.8614.



This preview shows how white text looks on a background with the XYZ color 47.0342, 32.8483,

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

47.0342, 32.8483, 3.8614

Protanopia

29.7325, 32.9568, 5.6584

Deuteranopia

33.3549, 32.9156, 4.5954



Tritanopia

49.4783, 32.9676, 19.3784

Trichromacy



Original Color

47.0342, 32.8483, 3.8614

Protanomaly

34.3661, 31.6280, 4.7455

Deuteranomaly

37.2792, 32.0797, 4.2272

Tritanomaly

47.8783, 32.6652, 9.9124

Monochromacy



Original Color

47.0342, 32.8483, 3.8614

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.4902, 27.0381, 13.3374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0342, 32.8483, 3.8614 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, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 0)  
}
```

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, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.0342, 32.8483, 3.8614 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, 112, 0) }
```


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

```
.border{ border-color:rgb(255, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0342, 32.8483, 3.8614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 0) }
```

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

```
.background{ background-color: rgb(255,  
112, 0) }
```

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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