

Converting Colors

XYZ(47.5442, 33.8684, 4.0314)

Have a look what the booklet for
XYZ(47.5442, 33.8684, 4.0314)
contains.

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Color

**XYZ(47.6013, 33.9826,
4.0504)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7500
RGB	255, 117, 0
RGB Percent	100%, 46%, 0%
CMY	0.0000, 0.5411, 1.0000
CMYK	0.00, 0.54, 1.00, 0.00
HSL	28°, 100%, 50%
HSV	28°, 100%, 100%
XYZ	47.6013, 33.9826, 4.0504
YIQ	144.9240, 119.8050, -7.1310

Conversions

Conversions Part 2

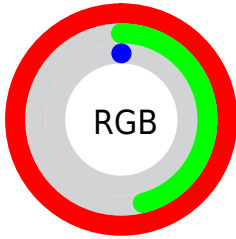
Format	Color
R_{YB}	255, 216, 0
Decimal	16741632
CIE _{Lab}	64.95, 48.15, 72.80
CIE _{LCh}	65, 87.285, 56.521
Yxy	33.9826, 0.5559, 0.3968
Android (android.graphics.Color)	4294931712 (0xFFFF7500)
YUV	144.9240, -71.4475, 96.5367
Hunter-Lab	58.2946, 43.7412, 36.6867

Details

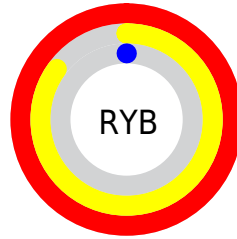
The XYZ color **47.6013, 33.9826, 4.0504** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.1380, 25.3962, 98.0786**, and the grayscale version is **27.1314, 28.5444, 31.0848**.

A 20% lighter version of the original color is **57.1299, 51.2200, 12.8366**, and **23.0686, 14.6139, 1.6049** is the 20% darker color. If you saturate the color by 10%, you get **47.6016, 33.9836, 4.0506**, and if you desaturate by 10%, it is **49.5112, 37.5134, 5.5799**.

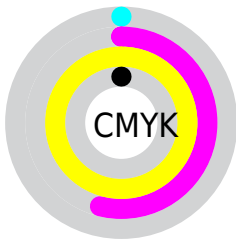
Distribution



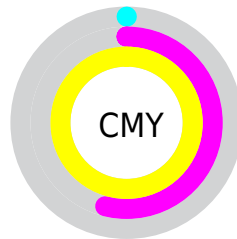
- Red (100%)
- Green (46%)
- Blue (0%)



- Red (100%)
- Yellow (85%)
- Blue (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6013, 33.9826, 4.0504 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 47.6013, 33.9826, 4.0504 by changing the saturation by 10% instead.


 47.6013, 33.9826,
4.0504

 47.6013, 33.9826,
4.0504


367.8185,
320.0545, 148.7839


 33.7212, 22.8802,
1.6530


 85.8238, 65.9066,
14.1258

 22.8414, 14.5051,
0.3282


 110.8969, 87.4970,
22.6410

 14.5965, 8.4728,
0.0000


 140.4316,
113.3523, 34.0325

 8.6211, 4.3989,
0.0000

 174.7935,
143.8567, 48.7188

 4.5500, 1.8991,
0.0000

 214.3477,
179.3948, 67.1186


 2.0178, 0.5479,
0.0000

 259.4598,


 0.6439, 0.0000,


220.3508, 89.6504


0.0000


 310.4949,
267.1092, 116.7326


 0.0000, 0.0000,
0.0000


 47.6013, 33.9826,
4.0504


 47.6013, 33.9826,
4.0504

 47.6016, 33.9836,
4.0506

 49.5112, 37.5134,
5.5799

 51.9029, 41.6300,
8.4326

 54.8583, 46.3816,
12.9914

 58.4301, 51.8030,
19.4915

 62.6637, 57.9257,
28.1303

67.5992, 64.7784,
39.0804

73.2732, 72.3879,
52.4969

79.7193, 80.7793,
68.5210

86.9689, 89.9765,
87.2833

Harmonies

Analogous

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



59.2059, 33.9826, 13.8538



47.6013, 33.9826, 4.0504



33.7930, 33.9826, 1.9630

Triad

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



47.6013, 33.9826, 4.0504



13.6428, 33.9826, 32.9459



44.3771, 33.9826, 140.3615

Complementary

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



47.6013, 33.9826, 4.0504



27.1380, 25.3962, 98.0786

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.



30.8505, 33.9826, 158.5518



47.6013, 33.9826, 4.0504



15.1027, 33.9826, 77.4612

Square

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



47.6013, 33.9826, 4.0504



16.0064, 33.9826, 10.3981



20.6881, 33.9826, 130.3609



57.0296, 33.9826, 90.0279

Rectangle

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



47.6013, 33.9826, 4.0504



25.8853, 33.9826, 2.3755



20.6881, 33.9826, 130.3609



39.6942, 33.9826, 151.4379

Sweetspot

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



47.6020, 33.9845, 4.0510



73.2721, 72.3862, 52.4933



45.9920, 23.1609, 26.9552



15.1515, 14.7868, 9.9586



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.



47.6020, 33.9845, 4.0510



47.6019, 33.9839, 4.0506



73.0661, 84.9127, 12.5390



18.6961, 19.3604, 18.8959



25.0184, 18.0480, 2.1650



2.5437, 1.9727, 0.2467

Inverse Universe

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



27.1380, 25.3962, 98.0786



27.1377, 25.3954, 98.0792



18.1908, 7.5017, 95.0962



17.8174, 19.0065, 22.9795



14.3312, 13.5720, 51.2989



1.5047, 1.5401, 5.0312

Previews

White Background



This preview shows how the XYZ color 47.6013, 33.9826, 4.0504 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 47.6013, 33.9826, 4.0504 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 47.6013, 33.9826, 4.0504

Background



This preview shows how black text looks on a background with the XYZ color 47.6013, 33.9826, 4.0504.



This preview shows how white text looks on a background with the XYZ color 47.6013, 33.9826,

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

47.6013, 33.9826, 4.0504

Protanopia

30.7416, 33.9806, 5.7493

Deuteranopia

34.7258, 34.0921, 4.7502



Tritanopia

50.1945, 33.9369, 21.0445

Trichromacy



Original Color

47.6013, 33.9826, 4.0504

Protanomaly

35.3623, 32.8012, 4.9194

Deuteranomaly

38.6037, 33.3926, 4.4108

Tritanomaly

48.4151, 33.5783, 10.5861

Monochromacy



Original Color

47.6013, 33.9826, 4.0504

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

30.6033, 28.4149, 13.9969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6013, 33.9826, 4.0504 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, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 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, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.6013, 33.9826, 4.0504 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, 117, 0) }
```


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

```
.border{ border-color:rgb(255, 117, 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, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6013, 33.9826, 4.0504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 0) }
```

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

```
.background{ background-color: rgb(255,  
117, 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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