

Converting Colors

XYZ(49.6822, 37.5848, 6.4700)

Have a look what the booklet for
XYZ(49.6822, 37.5848, 6.4700)
contains.

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Color

**XYZ(49.7062, 37.6325,
6.4777)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8326
RGB	255, 131, 38
RGB Percent	100%, 51%, 15%
CMY	0.0000, 0.4862, 0.8510
CMYK	0.00, 0.49, 0.85, 0.00
HSL	26°, 100%, 57%
HSV	26°, 85%, 100%
XYZ	49.7062, 37.6325, 6.4777
YIQ	157.4740, 103.7570, -2.6350

Conversions

Conversions Part 2

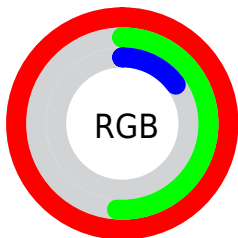
Format	Color
R_{YB}	255, 201, 38
Decimal	16745254
CIE _{Lab}	67.75, 41.85, 66.32
CIE _{LCh}	68, 78.419, 57.747
Yxy	37.6325, 0.5298, 0.4011
Android (android.graphics.Color)	4294935334 (0xFFFF8326)
YUV	157.4740, -58.9007, 85.5303
Hunter-Lab	61.3453, 37.2786, 36.6811

Details

The XYZ color **49.7062, 37.6325, 6.4777** 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 **31.7688, 33.4710, 99.3934**, and the grayscale version is **32.4875, 34.1794, 37.2214**.

A 20% lighter version of the original color is **60.7747, 57.1681, 18.1873**, and **24.2818, 16.6683, 1.9375** is the 20% darker color. If you saturate the color by 10%, you get **47.6052, 33.8795, 4.3945**, and if you desaturate by 10%, it is **52.3651, 42.0525, 10.1337**.

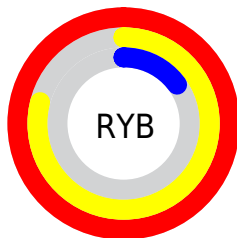
Distribution



Red (100%)

Green (51%)

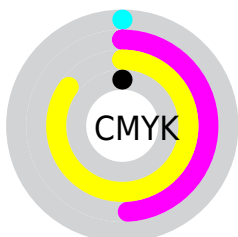
Blue (15%)



Red (100%)

Yellow (79%)

Blue (15%)

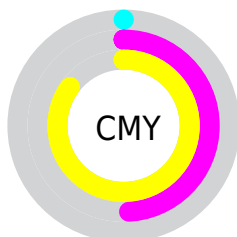


Cyan (0%)

Magenta (49%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7062, 37.6325, 6.4777 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 49.7062, 37.6325, 6.4777 by changing the saturation by 10% instead.


 49.7062, 37.6325,
6.4777


 49.7062, 37.6325,
6.4777


375.9869,
336.0409, 172.7132

 35.3969, 25.6976,
3.0642


 88.9338, 71.5445,
19.4092

 24.1367, 16.5975,
1.1275


 114.5829, 94.2904,
29.7642

 15.5603, 9.9480,
0.0000


 144.7425,
121.4087, 43.2702

 9.3024, 5.3645,
0.0000

 179.7780,
153.2839, 60.3457

 4.9977, 2.4627,
0.0000

 220.0549,
190.3003, 81.4092

 2.2806, 0.8578,
0.0000

 265.9384,

 0.7847, 0.0000,

232.8423, 106.8792

0.0000

317.7940,
281.2944, 137.1744

■ 0.0000, 0.0000,
0.0000

■ 49.7062, 37.6325,
6.4777

■ 49.7062, 37.6325,
6.4777

■ 47.6052, 33.8795,
4.3945

■ 52.3651, 42.0525,
10.1337


■ 46.7397, 32.2597,
3.7633


■ 55.6398, 47.1746,
15.6250


■ 59.5813, 53.0373,
23.1671

■ 64.2338, 59.6737,
32.9448

■ 69.6371, 67.1146,
45.1220

 75.8276, 75.3887,
59.8468

 82.8392, 84.5230,
77.2556

 90.7035, 94.5435,
97.4748

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



60.6190, 37.6325, 17.0905



49.7062, 37.6325, 6.4777



36.6927, 37.6325, 3.9194

Triad

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



49.7062, 37.6325, 6.4777



17.1663, 37.6325, 38.4067



47.7558, 37.6325, 133.0052

Complementary

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



49.7062, 37.6325, 6.4777



31.7688, 33.4710, 99.3934

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.



34.8600, 37.6325, 150.4315



49.7062, 37.6325, 6.4777



18.8506, 37.6325, 80.5777

Square

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



49.7062, 37.6325, 6.4777



19.4548, 37.6325, 14.6766



24.7152, 37.6325, 127.3346



59.3257, 37.6325, 87.9249

Rectangle

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



49.7062, 37.6325, 6.4777



29.1233, 37.6325, 4.6102



24.7152, 37.6325, 127.3346



43.3549, 37.6325, 143.1155

Sweetspot

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



49.7070, 37.6346, 6.4784



75.2356, 74.6067, 58.4087



48.6867, 25.3478, 37.7258



15.6304, 15.3406, 11.3643



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.



49.7070, 37.6346, 6.4784



46.7399, 32.2599, 3.7633



71.8497, 81.9198, 13.8592



18.6495, 19.2672, 18.8803



24.5638, 17.1388, 2.0135



2.4975, 1.8804, 0.2313

Inverse Universe

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



31.7688, 33.4710, 99.3934



28.2838, 27.6875, 98.4613



20.2677, 10.4688, 95.5597



17.8647, 19.1010, 22.9952



14.9301, 14.7698, 51.4985



1.5622, 1.6551, 5.0504

Previews

White Background



This preview shows how the XYZ color 49.7062, 37.6325, 6.4777 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 49.7062, 37.6325, 6.4777 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 49.7062, 37.6325, 6.4777

Background



This preview shows how black text looks on a background with the XYZ color 49.7062, 37.6325, 6.4777.



This preview shows how white text looks on a background with the XYZ color 49.7062, 37.6325,

6.4777.

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

49.7062, 37.6325, 6.4777

Protanopia

34.3990, 37.9168, 8.1950

Deuteranopia

38.5061, 37.7311, 6.0640



Tritanopia

52.8073, 37.6207, 26.6686

Trichromacy



Original Color

49.7062, 37.6325, 6.4777

Protanomaly

38.7098, 36.8132, 7.4483

Deuteranomaly

42.1635, 37.4324, 6.1015

Tritanomaly

51.0340, 37.3206, 16.0691

Monochromacy



Original Color

49.7062, 37.6325, 6.4777

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.6195, 33.7322, 20.5532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7062, 37.6325, 6.4777 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, 131, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 38)  
}
```

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, 131, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 38) }
```

Border

The CSS property to change the border of an element to XYZ 49.7062, 37.6325, 6.4777 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, 131, 38) }
```


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

```
.border{ border-color:rgb(255, 131, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 131, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7062, 37.6325, 6.4777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 38) }
```

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

```
.background{ background-color: rgb(255,  
131, 38) }
```

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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