

Converting Colors

XYZ(49.4092, 37.0855, 6.2358)

Have a look what the booklet for
XYZ(49.4092, 37.0855, 6.2358)
contains.

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Color

**XYZ(49.4087, 37.0879,
6.2236)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8124
RGB	255, 129, 36
RGB Percent	100%, 51%, 14%
CMY	0.0000, 0.4941, 0.8588
CMYK	0.00, 0.49, 0.86, 0.00
HSL	25°, 100%, 57%
HSV	25°, 86%, 100%
XYZ	49.4087, 37.0879, 6.2236
YIQ	156.0720, 104.9490, -2.2110

Conversions

Conversions Part 2

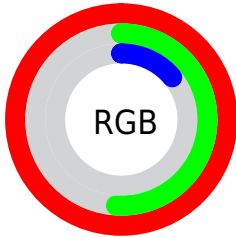
Format	Color
RYB	255, 198, 36
Decimal	16744740
CIELab	67.34, 42.79, 66.65
CIElCh	67, 79.208, 57.299
Yxy	37.0879, 0.5329, 0.4000
Android (android.graphics.Color)	4294934820 (0xFFFF8124)
YUV	156.0720, -59.1955, 86.7599
Hunter-Lab	60.8998, 38.2443, 36.5708

Details

The XYZ color **49.4087, 37.0879, 6.2236** 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 **31.6968, 33.4337, 99.3898**, and the grayscale version is **31.8566, 33.5156, 36.4985**.

A 20% lighter version of the original color is **60.2688, 56.2963, 17.5873**, and **24.1397, 16.3841, 1.8901** is the 20% darker color. If you saturate the color by 10%, you get **47.3527, 33.3939, 4.2516**, and if you desaturate by 10%, it is **52.0203, 41.4515, 9.7455**.

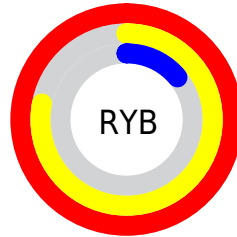
Distribution



Red (100%)

Green (51%)

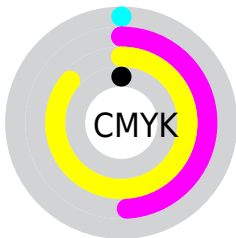
Blue (14%)



Red (100%)

Yellow (78%)

Blue (14%)

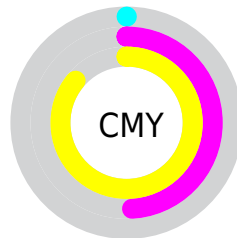


Cyan (0%)

Magenta (49%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4087, 37.0879, 6.2236 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 49.4087, 37.0879, 6.2236 by changing the saturation by 10% instead.


 49.4087, 37.0879,
6.2236


 49.4087, 37.0879,
6.2236

374.8394,
333.6909, 170.4253


 35.1597, 25.2756,
2.9105


 88.4952, 70.7080,
18.8789

 23.9530, 16.2825,
1.0491


 114.0635, 93.2845,
29.0582


 15.4233, 9.7243,
0.0000


 144.1354,
120.2178, 42.3633

 9.2052, 5.2165,
0.0000

 179.0766,
151.8924, 59.2128

 4.9335, 2.3749,
0.0000

 219.2521,
188.6926, 80.0252

 2.2426, 0.8129,
0.0000

 265.0276,

 0.7651, 0.0000,

231.0028, 105.2191

0.0000

316.7682,
279.2075, 135.2129

■ 0.0000, 0.0000,
0.0000

■ 49.4087, 37.0879,
6.2236

■ 49.4087, 37.0879,
6.2236

■ 47.3527, 33.3939,
4.2516

■ 52.0203, 41.4515,
9.7455

■ 46.6334, 32.0473,
3.7279

■ 55.2466, 46.5210,
15.0851

■ 59.1397, 52.3355,
22.4613

■ 63.7444, 58.9290,
32.0606

■ 69.1009, 66.3326,
44.0485

75.2461, 74.5756,
58.5744

82.2141, 83.6857,
75.7753

90.0371, 93.6890,
95.7785

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



60.2965, 37.0879, 16.8458



49.4087, 37.0879, 6.2236



36.3614, 37.0879, 3.6648

Triad

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



49.4087, 37.0879, 6.2236



16.7126, 37.0879, 37.3160



47.0628, 37.0879, 133.5385

Complementary

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



49.4087, 37.0879, 6.2236



31.6968, 33.4337, 99.3898

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.



34.1633, 37.0879, 150.5574



49.4087, 37.0879, 6.2236



18.3251, 37.0879, 79.4043

Square

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



49.4087, 37.0879, 6.2236



19.0448, 37.0879, 13.9818



24.0945, 37.0879, 126.6734



58.7383, 37.0879, 88.2717

Rectangle

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



49.4087, 37.0879, 6.2236



28.7621, 37.0879, 4.2926



24.0945, 37.0879, 126.6734



42.6489, 37.0879, 143.5838

Sweetspot

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



49.4095, 37.0899, 6.2242



75.1687, 74.4730, 58.3865



48.5490, 25.1931, 37.3081



15.6147, 15.3092, 11.3591



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.



49.4095, 37.0899, 6.2242



46.6338, 32.0476, 3.7279



71.7699, 81.8106, 13.6777



18.6435, 19.2552, 18.8783



24.5077, 17.0267, 1.9948



2.4918, 1.8689, 0.2294

Inverse Universe

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



31.6968, 33.4337, 99.3898



28.4378, 27.9956, 98.5126



20.1085, 10.2570, 95.5270



17.8708, 19.1133, 22.9973



15.0105, 14.9306, 51.5253



1.5698, 1.6704, 5.0530

Previews

White Background



This preview shows how the XYZ color 49.4087, 37.0879, 6.2236 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 49.4087, 37.0879, 6.2236 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 49.4087, 37.0879, 6.2236

Background



This preview shows how black text looks on a background with the XYZ color 49.4087, 37.0879, 6.2236.



This preview shows how white text looks on a background with the XYZ color 49.4087, 37.0879,

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

49.4087, 37.0879, 6.2236

Protanopia

33.6960, 37.2901, 7.9044

Deuteranopia

38.0184, 37.2338, 5.7992



Tritanopia

52.4197, 37.0646, 25.8641

Trichromacy



Original Color

49.4087, 37.0879, 6.2236

Protanomaly

38.2245, 36.3253, 7.1873

Deuteranomaly

41.5057, 36.6355, 5.8035

Tritanomaly

50.6849, 36.7718, 15.4926

Monochromacy



Original Color

49.4087, 37.0879, 6.2236

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.9417, 32.9341, 19.8445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4087, 37.0879, 6.2236 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, 129, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 36)  
}
```

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, 129, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 36) }
```

Border

The CSS property to change the border of an element to XYZ 49.4087, 37.0879, 6.2236 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, 129, 36) }
```


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

```
.border{ border-color:rgb(255, 129, 36) }
```

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

Here you see how a box with a 4 pixel rgb(255, 129, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4087, 37.0879, 6.2236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 36) }
```

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

```
.background{ background-color: rgb(255,  
129, 36) }
```

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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