

Converting Colors

XYZ(49.5973, 37.8639, 5.0570)

Have a look what the booklet for
XYZ(49.5973, 37.8639, 5.0570)
contains.

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Color

**XYZ(49.5576, 37.7891,
5.0299)**

Conversions

Conversions Part 1

Format	Color
Hex	FF840C
RGB	255, 132, 12
RGB Percent	100%, 52%, 5%
CMY	0.0000, 0.4823, 0.9529
CMYK	0.00, 0.48, 0.95, 0.00
HSL	30°, 100%, 52%
HSV	30°, 95%, 100%
XYZ	49.5576, 37.7891, 5.0299
YIQ	155.0970, 111.8280, -11.2440

Conversions

Conversions Part 2

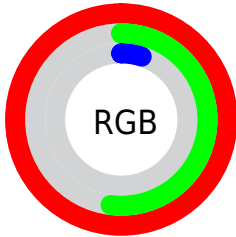
Format	Color
R_{YB}	255, 249, 12
Decimal	16745484
CIE Lab	67.86, 40.95, 72.83
CIE LCh	68, 83.553, 60.655
Yxy	37.7891, 0.5365, 0.4091
Android (android.graphics.Color)	4294935564 (0xFFFF840C)
YUV	155.0970, -70.5468, 87.6149
Hunter-Lab	61.4728, 36.3240, 38.1797

Details

The XYZ color **49.5576, 37.7891, 5.0299** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **26.8656, 24.6262, 97.9442**, and the grayscale version is **31.4684, 33.1072, 36.0538**.

A 20% lighter version of the original color is **60.1741, 56.9279, 15.0244**, and **24.3545, 16.8137, 1.9617** is the 20% darker color. If you saturate the color by 10%, you get **48.6914, 36.1635, 4.4139**, and if you desaturate by 10%, it is **51.6941, 41.6215, 7.1017**.

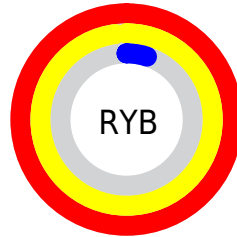
Distribution



Red (100%)

Green (52%)

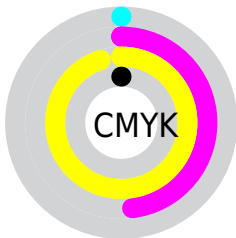
Blue (5%)



Red (100%)

Yellow (98%)

Blue (5%)

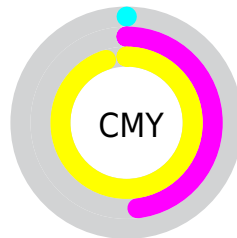


Cyan (0%)

Magenta (48%)

Yellow (95%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5576, 37.7891, 5.0299 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 49.5576, 37.7891, 5.0299 by changing the saturation by 10% instead.


 49.5576, 37.7891,
5.0299


 49.5576, 37.7891,
5.0299


375.4140,
336.7144, 159.0644


 35.2784, 25.8190,
2.2058


 88.7148, 71.7848,
16.3229


 24.0449, 16.6883,
0.6777


 114.3235, 94.5792,
25.6288

 15.4918, 10.0125,
0.0000


 144.4393,
121.7505, 37.9324

 9.2539, 5.4073,
0.0000

 179.4278,
153.6831, 53.6522

 4.9656, 2.4881,
0.0000

 219.6541,
190.7614, 73.2068

 2.2616, 0.8707,
0.0000

 265.4837,

 0.7749, 0.0000,

233.3698, 97.0146

0.0000

317.2818,
281.8926, 125.4943

0.0000, 0.0000,
0.0000

49.5576, 37.7891,
5.0299

49.5576, 37.7891,
5.0299

48.6914, 36.1635,
4.4139

51.6941, 41.6215,
7.1017

54.3336, 46.0119,
10.7215

57.5341, 50.9965,
16.1545

61.3424, 56.6049,
23.6152

65.7998, 62.8641,
33.2876

70.9430, 69.7988,
45.3351

76.8058, 77.4322,
59.9053

83.4194, 85.7860,
77.1336

90.8129, 94.8811,
97.1457

Harmonies

Analogous

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



61.8851, 37.7891, 14.4406



49.5576, 37.7891, 5.0299



35.6334, 37.7891, 3.0964

Triad

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



49.5576, 37.7891, 5.0299



16.3258, 37.7891, 41.9668



50.1713, 37.7891, 138.0618

Complementary

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



49.5576, 37.7891, 5.0299



26.8656, 24.6262, 97.9442

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.



36.2029, 37.7891, 161.6179



49.5576, 37.7891, 5.0299



18.4700, 37.7891, 89.2810

Square

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



49.5576, 37.7891, 5.0299



18.2878, 37.7891, 15.1548



25.0423, 37.7891, 139.8976



62.2952, 37.7891, 86.9346

Rectangle

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



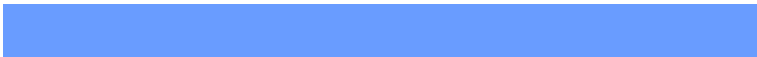
49.5576, 37.7891, 5.0299



27.8290, 37.7891, 3.9866



25.0423, 37.7891, 139.8976



45.4384, 37.7891, 150.4816

Sweetspot

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



49.5584, 37.7912, 5.0306



74.5456, 74.5182, 54.1974



45.9264, 23.3451, 25.9613



15.4263, 15.2585, 10.2905



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.



49.5584, 37.7912, 5.0306



48.6919, 36.1638, 4.4140



75.7873, 90.2489, 13.7735



18.7502, 19.4686, 18.9139



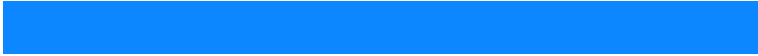
25.5914, 19.1940, 2.3560



2.6008, 2.0870, 0.2658

Inverse Universe

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



26.8656, 24.6262, 97.9442



25.9095, 22.9390, 97.6698



18.3878, 7.6705, 95.1183



17.7630, 18.8975, 22.9613



13.6880, 12.2855, 51.0845



1.4421, 1.4148, 5.0104

Previews

White Background



This preview shows how the XYZ color 49.5576, 37.7891, 5.0299 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 49.5576, 37.7891, 5.0299 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 49.5576, 37.7891, 5.0299

Background



This preview shows how black text looks on a background with the XYZ color 49.5576, 37.7891, 5.0299.



This preview shows how white text looks on a background with the XYZ color 49.5576, 37.7891,

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

49.5576, 37.7891, 5.0299

Protanopia

34.3052, 37.9074, 6.4285

Deuteranopia

38.3515, 37.6693, 5.2496



Tritanopia

53.0039, 37.9029, 27.0766

Trichromacy



Original Color

49.5576, 37.7891, 5.0299

Protanomaly

38.8332, 37.1588, 5.7874

Deuteranomaly

41.9758, 37.3573, 5.1132

Tritanomaly

50.8046, 37.4365, 14.2211

Monochromacy



Original Color

49.5576, 37.7891, 5.0299

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.3678, 32.9231, 17.3754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5576, 37.7891, 5.0299 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, 132, 12)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 12)  
}
```

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, 132, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 12) }
```

Border

The CSS property to change the border of an element to XYZ 49.5576, 37.7891, 5.0299 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, 132, 12) }
```


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

```
.border{ border-color:rgb(255, 132, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 12);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5576, 37.7891, 5.0299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 12) }
```

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

```
.background{ background-color: rgb(255,  
132, 12) }
```

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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