

Converting Colors

XYZ(49.2571, 36.8519, 5.9672)

Have a look what the booklet for
XYZ(49.2571, 36.8519, 5.9672)
contains.

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Color

**XYZ(49.2337, 36.8081,
5.9486)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8021
RGB	255, 128, 33
RGB Percent	100%, 50%, 13%
CMY	0.0000, 0.4980, 0.8706
CMYK	0.00, 0.50, 0.87, 0.00
HSL	26°, 100%, 56%
HSV	26°, 87%, 100%
XYZ	49.2337, 36.8081, 5.9486
YIQ	155.1430, 106.1870, -2.6210

Conversions

Conversions Part 2

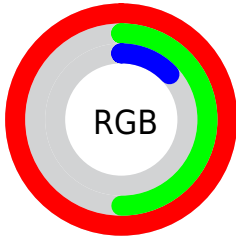
Format	Color
R_{YB}	255, 199, 33
Decimal	16744481
CIE _{Lab}	67.13, 43.22, 67.44
CIE _{LCh}	67, 80.105, 57.345
Yxy	36.8081, 0.5352, 0.4001
Android (android.graphics.Color)	4294934561 (0xFFFF8021)
YUV	155.1430, -60.2165, 87.5746
Hunter-Lab	60.6697, 38.6816, 36.6555

Details

The XYZ color **49.2337, 36.8081, 5.9486** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **31.2471, 32.6832, 99.2687**, and the grayscale version is **31.4458, 33.0834, 36.0279**.

A 20% lighter version of the original color is **59.9767, 55.8482, 17.0699**, and **24.0703, 16.2452, 1.8670** is the 20% darker color. If you saturate the color by 10%, you get **47.2330, 33.1807, 4.1305**, and if you desaturate by 10%, it is **51.7781, 41.0941, 9.2734**.

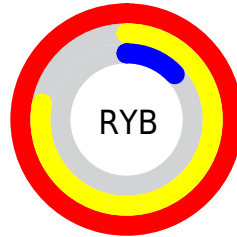
Distribution



Red (100%)

Green (50%)

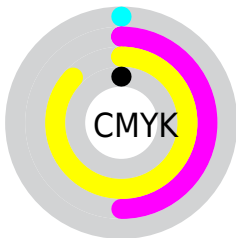
Blue (13%)



Red (100%)

Yellow (78%)

Blue (13%)

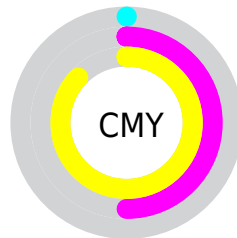


Cyan (0%)

Magenta (50%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (50%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2337, 36.8081, 5.9486 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 49.2337, 36.8081, 5.9486 by changing the saturation by 10% instead.


 49.2337, 36.8081,
5.9486


 49.2337, 36.8081,
5.9486


374.1633,
332.4790, 167.9017

 35.0202, 25.0589,
2.7456


 88.2371, 70.2775,
18.2999


 23.8450, 16.1210,
0.9662


 113.7577, 92.7666,
28.2853


 15.3428, 9.6098,
0.0000


 143.7780,
119.6045, 41.3686

 9.1482, 5.1410,
0.0000

 178.6635,
151.1755, 57.9682

 4.8959, 2.3302,
0.0000

 218.7794,
187.8640, 78.5028

 2.2204, 0.7896,
0.0000

 264.4911,

 0.7535, 0.0000,

230.0545, 103.3909

0.0000

316.1639,
278.1314, 133.0510

■ 0.0000, 0.0000,
0.0000

■ 49.2337, 36.8081,
5.9486

■ 49.2337, 36.8081,
5.9486

■ 47.2330, 33.1807,
4.1305

■ 51.7781, 41.0941,
9.2734

■ 46.7221, 32.2246,
3.7574

■ 54.9279, 46.0756,
14.3867

■ 58.7359, 51.7921,
21.5117

■ 63.2472, 58.2774,
30.8381

■ 68.5025, 65.5625,
42.5334

74.5387, 73.6767,
56.7486

81.3903, 82.6474,
73.6220

89.0894, 92.5007,
93.2820

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



60.2384, 36.8081, 16.4578



49.2337, 36.8081, 5.9486



36.0833, 36.8081, 3.4543

Triad

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



49.2337, 36.8081, 5.9486



16.3917, 36.8081, 37.0445



46.9069, 36.8081, 134.2984

Complementary

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



49.2337, 36.8081, 5.9486



31.2471, 32.6832, 99.2687

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.



33.9092, 36.8081, 151.6481



49.2337, 36.8081, 5.9486



18.0085, 36.8081, 79.5451

Square

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



49.2337, 36.8081, 5.9486



18.7157, 36.8081, 13.6549



23.7906, 36.8081, 127.4470



58.6902, 36.8081, 88.3686

Rectangle

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



49.2337, 36.8081, 5.9486



28.4461, 36.8081, 4.0697



23.7906, 36.8081, 127.4470



42.4561, 36.8081, 144.5188

Sweetspot

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



49.2345, 36.8101, 5.9492



75.2246, 74.5847, 58.4051



48.3499, 24.9743, 36.6886



15.6278, 15.3354, 11.3634



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.



49.2345, 36.8101, 5.9492



46.7224, 32.2248, 3.7575



71.6538, 81.6487, 13.4223



18.6485, 19.2652, 18.8800



24.5545, 17.1203, 2.0104



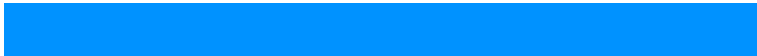
2.4966, 1.8785, 0.2310

Inverse Universe

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



31.2471, 32.6832, 99.2687



28.3090, 27.7381, 98.4697



19.8831, 9.9552, 95.4807



17.8657, 19.1031, 22.9956



14.9433, 14.7962, 51.5029



1.5634, 1.6576, 5.0508

Previews

White Background



This preview shows how the XYZ color 49.2337, 36.8081, 5.9486 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 49.2337, 36.8081, 5.9486 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 49.2337, 36.8081, 5.9486

Background



This preview shows how black text looks on a background with the XYZ color 49.2337, 36.8081, 5.9486.



This preview shows how white text looks on a background with the XYZ color 49.2337, 36.8081,

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

49.2337, 36.8081, 5.9486

Protanopia

33.4605, 36.9084, 7.5510

Deuteranopia

37.5083, 36.7300, 5.3999



Tritanopia

52.2288, 36.7908, 25.4677

Trichromacy



Original Color

49.2337, 36.8081, 5.9486

Protanomaly

38.0112, 35.9813, 6.8611

Deuteranomaly

40.9750, 36.1418, 5.3887

Tritanomaly

50.5132, 36.5015, 15.2096

Monochromacy



Original Color

49.2337, 36.8081, 5.9486

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.4805, 32.4749, 19.4899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2337, 36.8081, 5.9486 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, 128, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 33)  
}
```

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, 128, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 33) }
```

Border

The CSS property to change the border of an element to XYZ 49.2337, 36.8081, 5.9486 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, 128, 33) }
```


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

```
.border{ border-color:rgb(255, 128, 33) }
```

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

Here you see how a box with a 4 pixel rgb(255, 128, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2337, 36.8081, 5.9486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 33) }
```

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

```
.background{ background-color: rgb(255,  
128, 33) }
```

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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