

Converting Colors

XYZ(42.5283, 33.2014, 4.1975)

Have a look what the booklet for
XYZ(42.5283, 33.2014, 4.1975)
contains.

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Color

**XYZ(42.5199, 33.1855,
4.1931)**

Conversions

Conversions Part 1

Format	Color
Hex	ED7F01
RGB	237, 127, 1
RGB Percent	93%, 50%, 0%
CMY	0.0706, 0.5019, 0.9960
CMYK	0.00, 0.46, 1.00, 0.07
HSL	32°, 99%, 47%
HSV	32°, 100%, 93%
XYZ	42.5199, 33.1855, 4.1931
YIQ	145.5260, 106.0060, -15.8660

Conversions

Conversions Part 2

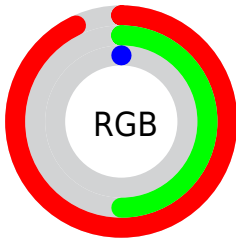
Format	Color
RYB	207, 237, 1
Decimal	15564545
CIELab	64.31, 36.24, 70.93
CIELCh	64, 79.648, 62.938
Yxy	33.1855, 0.5322, 0.4153
Android (android.graphics.Color)	4293754625 (0xFFED7F01)
YUV	145.5260, -71.2513, 80.2227
Hunter-Lab	57.6069, 30.9397, 36.0092

Details

The XYZ color **42.5199, 33.1855, 4.1931** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **20.9830, 17.4898, 82.3900**, and the grayscale version is **27.3808, 28.8067, 31.3705**.

A 20% lighter version of the original color is **58.9336, 54.7756, 13.5975**, and **20.0400, 14.1676, 1.6784** is the 20% darker color. If you saturate the color by 10%, you get **42.4545, 33.0639, 4.1444**, and if you desaturate by 10%, it is **44.1933, 36.2657, 5.5741**.

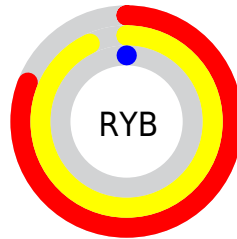
Distribution



Red (93%)

Green (50%)

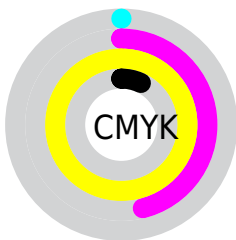
Blue (0%)



Red (81%)

Yellow (93%)

Blue (0%)

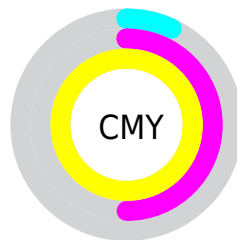


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5199, 33.1855, 4.1931 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 42.5199, 33.1855, 4.1931 by changing the saturation by 10% instead.


 42.5199, 33.1855,
4.1931


 42.5199, 33.1855,
4.1931


347.5887,
316.4848, 150.3481

 29.7015, 22.2686,
1.7319


 78.2461, 64.6650,
14.4527

 19.7591, 14.0544,
0.3824


 101.8846, 85.9964,
23.0882

 12.3273, 8.1585,
0.0000


 129.8605,
111.5681, 34.6188

 7.0408, 4.1965,
0.0000

 162.5392,
141.7645, 49.4631

 3.5342, 1.7841,
0.0000

 200.2860,
176.9700, 68.0396


 1.4421, 0.4772,
0.0000


 243.4663,


 0.2859, 0.0000,


217.5689, 90.7670


0.0000


 292.4454,
263.9457, 118.0636


 0.0000, 0.0000,
0.0000


 42.5199, 33.1855,
4.1931


 42.5199, 33.1855,
4.1931


 42.4545, 33.0639,
4.1444

 44.1933, 36.2657,
5.5741

 46.2300, 39.7477,
8.0762

 48.6941, 43.6660,
12.0114

 51.6265, 48.0439,
17.5726

 55.0620, 52.9022,
24.9224

■ 59.0314, 58.2598,
34.2034

■ 63.5629, 64.1341,
45.5438

■ 68.6822, 70.5418,
59.0604

■ 74.4133, 77.4983,
74.8615

Harmonies

Analogous

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



53.5695, 33.1855, 11.7280



42.5199, 33.1855, 4.1931



30.4388, 33.1855, 2.7845

Triad

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



42.5199, 33.1855, 4.1931



14.4121, 33.1855, 39.4249



44.9228, 33.1855, 117.7910

Complementary

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



42.5199, 33.1855, 4.1931



20.9830, 17.4898, 82.3900

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.



32.6711, 33.1855, 141.0263



42.5199, 33.1855, 4.1931



16.5709, 33.1855, 81.7464

Square

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



42.5199, 33.1855, 4.1931



15.8548, 33.1855, 14.5419



22.6374, 33.1855, 124.9591



55.1740, 33.1855, 72.5718

Rectangle

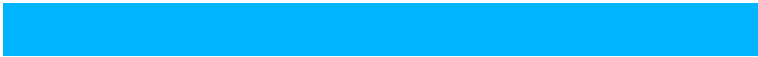
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.5199, 33.1855, 4.1931



23.7946, 33.1855, 3.7580



22.6374, 33.1855, 124.9591



40.8109, 33.1855, 129.3451

Sweetspot

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



42.5206, 33.1873, 4.1937



74.7477, 75.3375, 52.9851



37.8125, 19.1770, 16.7873



15.4999, 15.4837, 10.0748



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.



42.5206, 33.1873, 4.1937



50.0651, 38.9102, 4.8717



62.6449, 77.2499, 11.6380



15.7314, 16.3859, 15.8524



23.3116, 18.3175, 2.3070



1.9267, 1.6307, 0.2132

Inverse Universe

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



20.9830, 17.4898, 82.3900



24.6292, 20.3784, 97.2431



15.4080, 6.1935, 80.5034



14.8099, 15.7063, 19.1733



11.5459, 9.7388, 45.0142



1.0021, 0.9556, 3.5665

Previews

White Background



This preview shows how the XYZ color 42.5199, 33.1855, 4.1931 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 42.5199, 33.1855, 4.1931 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 42.5199, 33.1855, 4.1931

Background



This preview shows how black text looks on a background with the XYZ color 42.5199, 33.1855, 4.1931.



This preview shows how white text looks on a background with the XYZ color 42.5199, 33.1855,

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

42.5199, 33.1855, 4.1931

Protanopia

30.0877, 33.3946, 5.5218

Tritanopia

46.5200, 33.1640, 23.6881

Trichromacy



Original Color

42.5199, 33.1855, 4.1931

Protanomaly

33.6402, 32.5926, 4.8987

Tritanomaly

44.2578, 32.7941, 11.7818

Monochromacy



Original Color

42.5199, 33.1855, 4.1931

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.7988, 28.8393, 14.3519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5199, 33.1855, 4.1931 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(237, 127, 1)` looks like.

```
.text, #text, p{  
    color:rgb(237, 127, 1)  
}
```

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(237, 127, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 127, 1) }
```

Border

The CSS property to change the border of an element to XYZ 42.5199, 33.1855, 4.1931 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(237, 127, 1) }
```

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

```
.border{ border-color:rgb(237, 127, 1) }
```

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

Here you see how a box with a 4 pixel rgb(237, 127, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 127, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 127, 1);  
box-shadow:4px 4px 4px 4px rgb(237, 127,  
1) }
```


Background

The CSS property to change the background color of an element to XYZ 42.5199, 33.1855, 4.1931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 127, 1) }
```

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

```
.background{ background-color: rgb(237,  
127, 1) }
```

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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