

Converting Colors

XYZ(41.1344, 33.3138, 5.1537)

Have a look what the booklet for
XYZ(41.1344, 33.3138, 5.1537)
contains.

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Color

**XYZ(41.2468, 33.2917,
5.1717)**

Conversions

Conversions Part 1

Format	Color
Hex	E78319
RGB	231, 131, 25
RGB Percent	91%, 51%, 10%
CMY	0.0941, 0.4862, 0.9019
CMYK	0.00, 0.43, 0.89, 0.09
HSL	31°, 81%, 50%
HSV	31°, 89%, 91%
XYZ	41.2468, 33.2917, 5.1717
YIQ	148.8160, 93.6260, -11.7660

Conversions

Conversions Part 2

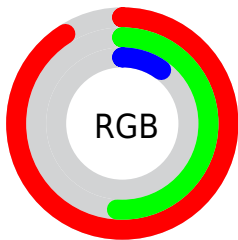
Format	Color
R _Y B	219, 231, 25
Decimal	15172377
CIE Lab	64.40, 32.01, 66.18
CIE LCh	64, 73.519, 64.188
Yxy	33.2917, 0.5175, 0.4177
Android (android.graphics.Color)	4293362457 (0xFFE78319)
YUV	148.8160, -61.0413, 72.0754
Hunter-Lab	57.6990, 26.6297, 35.0750

Details

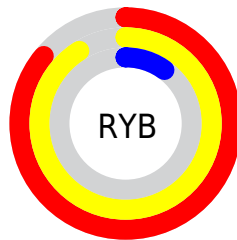
The XYZ color **41.2468, 33.2917, 5.1717** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **22.1581, 20.6428, 78.4174**, and the grayscale version is **28.7118, 30.2070, 32.8954**.

A 20% lighter version of the original color is **60.1503, 56.5825, 15.9349**, and **19.2308, 14.1723, 1.7220** is the 20% darker color. If you saturate the color by 10%, you get **39.6569, 30.3764, 3.8278**, and if you desaturate by 10%, it is **43.1962, 36.6146, 7.5983**.

Distribution



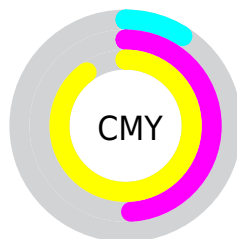
- Red (91%)
- Green (51%)
- Blue (10%)



- Red (86%)
- Yellow (91%)
- Blue (10%)



- Cyan (0%)
- Magenta (43%)
- Yellow (89%)
- Black (9%)





- Cyan (9%)
- Magenta (49%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2468, 33.2917, 5.1717 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 41.2468, 33.2917, 5.1717 by changing the saturation by 10% instead.


 41.2468, 33.2917,
5.1717


 41.2468, 33.2917,
5.1717

342.3960,
316.9621, 160.4734

 28.7005, 22.3500,
2.2879


 76.3307, 64.8307,
16.6327

 18.9975, 14.1143,
0.7244


 99.5991, 86.1967,
26.0470


 11.7725, 8.2002,
0.0000


 127.1722,
111.8064, 38.4752

 6.6600, 4.2233,
0.0000

 159.4154,
142.0440, 54.3358

 3.2948, 1.7993,
0.0000

 196.6940,
177.2940, 74.0474

 1.3115, 0.4867,
0.0000

 239.3734,

 0.1918, 0.0000,

217.9407, 98.0285

0.0000

287.8190,
264.3686, 126.6977

0.0000, 0.0000,
0.0000

41.2468, 33.2917,
5.1717

41.2468, 33.2917,
5.1717

39.6569, 30.3764,
3.8278

43.1962, 36.6146,
7.5983

39.5360, 30.1513,
3.7360

45.5609, 40.3708,
11.3868

48.3802, 44.5852,
16.7174

51.6872, 49.2781,
23.7421

55.5113, 54.4684,
32.5942

■ 59.8793, 60.1735,
43.3938

■ 64.8157, 66.4098,
56.2503

■ 70.3436, 73.1927,
71.2653

■ 76.4844, 80.5371,
88.5334

Harmonies

Analogous

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



51.3967, 33.2917, 12.5386



41.2468, 33.2917, 5.1717



30.1946, 33.2917, 3.7883

Triad

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



41.2468, 33.2917, 5.1717



15.5072, 33.2917, 40.6266



44.3621, 33.2917, 107.9535

Complementary

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



41.2468, 33.2917, 5.1717



22.1581, 20.6428, 78.4174

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.



33.1365, 33.2917, 129.5664



41.2468, 33.2917, 5.1717



17.7361, 33.2917, 79.2776

Square

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



41.2468, 33.2917, 5.1717



16.7548, 33.2917, 16.4884



23.6588, 33.2917, 116.9098



53.4559, 33.2917, 67.6091

Rectangle

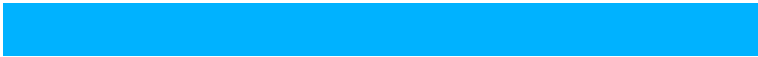
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.2468, 33.2917, 5.1717



24.0875, 33.2917, 4.9854



23.6588, 33.2917, 116.9098



40.6327, 33.2917, 118.4241

Sweetspot

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



41.2475, 33.2935, 5.1723



76.1285, 76.8309, 57.3555



37.1990, 19.2429, 22.1765



15.8656, 15.8947, 11.1845



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.



41.2475, 33.2935, 5.1723



49.3858, 37.5516, 4.6453



61.7060, 74.2105, 11.9918



14.9873, 15.5884, 15.1234



22.2895, 17.1532, 2.1361



1.7401, 1.4534, 0.1888

Inverse Universe

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



22.1581, 20.6428, 78.4174



25.2302, 21.5804, 97.4434



15.1725, 6.6717, 76.0889



14.1574, 15.0362, 18.3004



11.4658, 9.9937, 43.7078



0.9400, 0.9239, 3.2608

Previews

White Background



This preview shows how the XYZ color 41.2468, 33.2917, 5.1717 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 41.2468, 33.2917, 5.1717 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 41.2468, 33.2917, 5.1717

Background



This preview shows how black text looks on a background with the XYZ color 41.2468, 33.2917, 5.1717.



This preview shows how white text looks on a background with the XYZ color 41.2468, 33.2917,

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

41.2468, 33.2917, 5.1717

Protanopia

30.2222, 33.4483, 6.2298

Tritanopia

45.3172, 33.2199, 25.4963

Trichromacy



Original Color

41.2468, 33.2917, 5.1717

Protanomaly

33.5766, 33.0043, 5.7632

Tritanomaly

43.1971, 32.9324, 14.2051

Monochromacy



Original Color

41.2468, 33.2917, 5.1717

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.7621, 29.9292, 17.2523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2468, 33.2917, 5.1717 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(231, 131, 25)` looks like.

```
.text, #text, p{  
    color:rgb(231, 131, 25)  
}
```

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(231, 131, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 131, 25) }
```

Border

The CSS property to change the border of an element to XYZ 41.2468, 33.2917, 5.1717 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(231, 131, 25) }
```

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

```
.border{ border-color:rgb(231, 131, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 131, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 131, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 131, 25);  
box-shadow:4px 4px 4px 4px rgb(231, 131,  
25) }
```


Background

The CSS property to change the background color of an element to XYZ 41.2468, 33.2917, 5.1717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 131, 25) }
```

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

```
.background{ background-color: rgb(231,  
131, 25) }
```

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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