

Converting Colors

XYZ(38.8659, 32.6642, 5.7106)

Have a look what the booklet for
XYZ(38.8659, 32.6642, 5.7106)
contains.

XYZ(38.9238, 32.6896, 5.6971)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.9238, 32.6896,
5.6971)**

Conversions

Conversions Part 1

Format	Color
Hex	DE8621
RGB	222, 134, 33
RGB Percent	87%, 53%, 13%
CMY	0.1294, 0.4745, 0.8706
CMYK	0.00, 0.40, 0.85, 0.13
HSL	32°, 74%, 50%
HSV	32°, 85%, 87%
XYZ	38.9238, 32.6896, 5.6971
YIQ	148.7980, 84.8690, -12.7550

Conversions

Conversions Part 2

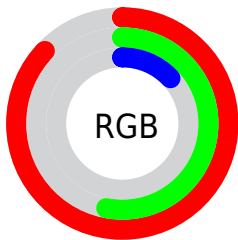
Format	Color
R _Y B	198, 222, 33
Decimal	14583329
CIE Lab	63.91, 26.87, 62.97
CIE LCh	64, 68.462, 66.892
Yxy	32.6896, 0.5035, 0.4228
Android (android.graphics.Color)	4292773409 (0xFFDE8621)
YUV	148.7980, -57.0884, 64.1982
Hunter-Lab	57.1748, 21.4643, 34.1145

Details

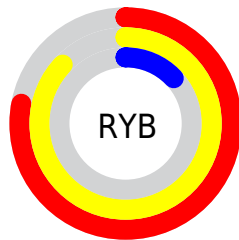
The XYZ color **38.9238, 32.6896, 5.6971** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **20.6491, 19.2713, 71.7381**, and the grayscale version is **28.6905, 30.1847, 32.8711**.

A 20% lighter version of the original color is **60.9847, 57.9310, 17.2001**, and **17.8683, 13.9177, 1.7446** is the 20% darker color. If you saturate the color by 10%, you get **37.3497, 29.8861, 4.1108**, and if you desaturate by 10%, it is **40.8437, 35.8577, 8.4087**.

Distribution



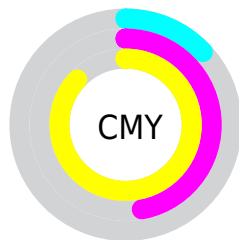
- Red (87%)
- Green (53%)
- Blue (13%)



- Red (78%)
- Yellow (87%)
- Blue (13%)



- Cyan (0%)
- Magenta (40%)
- Yellow (85%)
- Black (13%)





- Cyan (13%)
- Magenta (47%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9238, 32.6896, 5.6971 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 38.9238, 32.6896, 5.6971 by changing the saturation by 10% instead.


 38.9238, 32.6896,
5.6971


 38.9238, 32.6896,
5.6971


332.7792,
314.2487, 165.5476


 26.8809, 21.8888,
2.5960


 72.8167, 63.8906,
17.7656

 17.6199, 13.7752,
0.8904


 95.3974, 85.0596,
27.5700


 10.7755, 7.9645,
0.0000


 122.2215,
110.4534, 40.4460

 5.9823, 4.0722,
0.0000

 153.6543,
140.4564, 56.8120

 2.8748, 1.7140,
0.0000

 190.0610,
175.4531, 77.0867

 1.0879, 0.4327,
0.0000

 231.8072,

 0.0150, 0.0000,

215.8277, 101.6885

0.0000

279.2581,
261.9648, 131.0359

■ 0.0000, 0.0000,
0.0000

■ 38.9238, 32.6896,
5.6971

■ 38.9238, 32.6896,
5.6971

■ 37.3497, 29.8861,
4.1108

■ 40.8437, 35.8577,
8.4087

■ 36.6780, 28.6376,
3.5945

■ 43.1457, 39.4068,
12.4285

■ 45.8628, 43.3573,
17.9080

■ 49.0229, 47.7262,
24.9771

■ 52.6511, 52.5289,
33.7513

■ 56.7705, 57.7799,
44.3352

■ 61.4022, 63.4929,
56.8247

■ 66.5662, 69.6807,
71.3093

■ 72.2811, 76.3558,
87.8725

Harmonies

Analogous

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



48.3684, 32.6896, 12.2975



38.9238, 32.6896, 5.6971



28.8998, 32.6896, 4.6297

Triad

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



38.9238, 32.6896, 5.6971



16.0679, 32.6896, 42.3479



43.5725, 32.6896, 97.1291

Complementary

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



38.9238, 32.6896, 5.6971



20.6491, 19.2713, 71.7381

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.



33.3472, 32.6896, 118.5316



38.9238, 32.6896, 5.6971



18.4836, 32.6896, 77.8931

Square

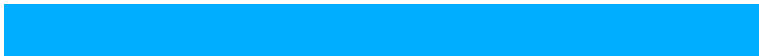
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.9238, 32.6896, 5.6971



16.9552, 32.6896, 18.5661



24.3516, 32.6896, 110.1010



51.4166, 32.6896, 60.7433

Rectangle

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



38.9238, 32.6896, 5.6971



23.4212, 32.6896, 6.1449



24.3516, 32.6896, 110.1010



40.2266, 32.6896, 106.9872

Sweetspot

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



38.9245, 32.6913, 5.6977



77.0839, 78.3033, 59.0249



34.1315, 18.0029, 19.8302



16.0666, 16.2128, 11.5097



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.



38.9245, 32.6913, 5.6977



50.0831, 38.9463, 4.8777



54.6258, 66.9051, 11.4741



14.3108, 14.9075, 14.4300



21.8986, 17.2352, 2.1725



1.6073, 1.3734, 0.1804

Inverse Universe

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



20.6491, 19.2713, 71.7381



24.6140, 20.3479, 97.2380



14.5770, 6.7992, 69.6507



13.4754, 14.2900, 17.4357



10.8427, 9.1550, 42.2440



0.8405, 0.8125, 2.9578

Previews

White Background



This preview shows how the XYZ color 38.9238, 32.6896, 5.6971 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 38.9238, 32.6896, 5.6971 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 38.9238, 32.6896, 5.6971

Background



This preview shows how black text looks on a background with the XYZ color 38.9238, 32.6896, 5.6971.



This preview shows how white text looks on a background with the XYZ color 38.9238, 32.6896,

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

38.9238, 32.6896, 5.6971

Protanopia

29.7102, 32.9221, 6.7082

Deuteranopia

33.3741, 32.6734, 5.4673



Tritanopia

43.3152, 32.7194, 26.5868

Trichromacy



Original Color

38.9238, 32.6896, 5.6971

Protanomaly

32.4097, 32.3897, 6.2939

Deuteranomaly

35.0594, 32.4090, 5.5063

Tritanomaly

40.9282, 32.3090, 15.3884

Monochromacy



Original Color

38.9238, 32.6896, 5.6971

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.5316, 30.2382, 18.1373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9238, 32.6896, 5.6971 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(222, 134, 33)` looks like.

```
.text, #text, p{  
    color:rgb(222, 134, 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(222, 134, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 134, 33) }
```

Border

The CSS property to change the border of an element to XYZ 38.9238, 32.6896, 5.6971 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(222, 134, 33) }
```


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

```
.border{ border-color:rgb(222, 134, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 134, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 134, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 134, 33);  
box-shadow:4px 4px 4px 4px rgb(222, 134,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9238, 32.6896, 5.6971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 134, 33) }
```

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

```
.background{ background-color: rgb(222,  
134, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor