

Converting Colors

XYZ(38.8454, 32.7599, 4.9677)

Have a look what the booklet for
XYZ(38.8454, 32.7599, 4.9677)
contains.

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Color

**XYZ(38.7847, 32.6339,
4.9643)**

Conversions

Conversions Part 1

Format	Color
Hex	DE8615
RGB	222, 134, 21
RGB Percent	87%, 53%, 8%
CMY	0.1294, 0.4745, 0.9176
CMYK	0.00, 0.40, 0.91, 0.13
HSL	34°, 83%, 48%
HSV	34°, 91%, 87%
XYZ	38.7847, 32.6339, 4.9643
YIQ	147.4300, 88.7210, -16.4870

Conversions

Conversions Part 2

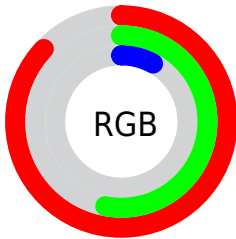
Format	Color
RYB	178, 222, 21
Decimal	14583317
CIELab	63.86, 26.62, 66.25
CIElCh	64, 71.396, 68.107
Yxy	32.6339, 0.5078, 0.4272
Android (android.graphics.Color)	4292773397 (0xFFDE8615)
YUV	147.4300, -62.3300, 65.3979
Hunter-Lab	57.1261, 21.2186, 34.8359

Details

The XYZ color **38.7847, 32.6339, 4.9643** 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 **18.9628, 16.3707, 71.2673**, and the grayscale version is **28.1372, 29.6026, 32.2372**.

A 20% lighter version of the original color is **60.7084, 57.8205, 15.7454**, and **17.6675, 13.8142, 1.7352** is the 20% darker color. If you saturate the color by 10%, you get **37.4336, 30.1486, 3.8463**, and if you desaturate by 10%, it is **40.4956, 35.5688, 7.0366**.

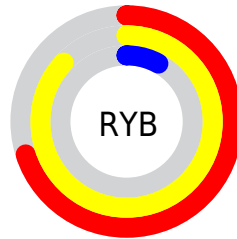
Distribution



Red (87%)

Green (53%)

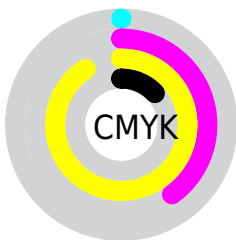
Blue (8%)



Red (70%)

Yellow (87%)

Blue (8%)

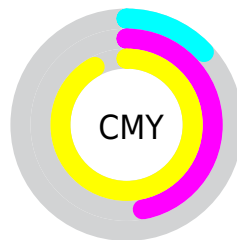


Cyan (0%)

Magenta (40%)

Yellow (91%)

Black (13%)



Cyan (13%)


Magenta (47%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7847, 32.6339, 4.9643 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 38.7847, 32.6339, 4.9643 by changing the saturation by 10% instead.


 38.7847, 32.6339,
4.9643


 38.7847, 32.6339,
4.9643


332.1972,
313.9968, 158.4064


 26.7722, 21.8461,
2.1680


 72.6055, 63.8035,
16.1789


 17.5380, 13.7439,
0.6558


 95.1445, 84.9542,
25.4342

 10.7164, 7.9428,
0.0000


 121.9231,
110.3279, 37.6796

 5.9424, 4.0583,
0.0000

 153.3067,
140.3092, 53.3336

 2.8504, 1.7062,
0.0000

 189.6605,
175.2823, 72.8147

 1.0752, 0.4277,
0.0000

 231.3499,

 0.0042, 0.0000,

215.6317, 96.5415

0.0000

278.7404,
261.7417, 124.9326

0.0000, 0.0000,
0.0000

38.7847, 32.6339,
4.9643

38.7847, 32.6339,
4.9643

37.4336, 30.1486,
3.8463

40.4956, 35.5688,
7.0366

42.5541, 38.8441,
10.3178

44.9954, 42.4800,
14.9753

47.8490, 46.4931,
21.1489

51.1407, 50.8983,
28.9611

■ 54.8940, 55.7095,
38.5219

■ 59.1305, 60.9397,
49.9315

■ 63.8703, 66.6009,
63.2825

■ 69.1320, 72.7049,
78.6612

Harmonies

Analogous

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



48.8165, 32.6339, 11.1735



38.7847, 32.6339, 4.9643



28.3748, 32.6339, 4.0959

Triad

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



38.7847, 32.6339, 4.9643



15.5657, 32.6339, 43.9108



44.5171, 32.6339, 99.1810

Complementary

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



38.7847, 32.6339, 4.9643



18.9628, 16.3707, 71.2673

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.



33.8194, 32.6339, 123.1468



38.7847, 32.6339, 4.9643



18.1752, 32.6339, 81.7211

Square

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



38.7847, 32.6339, 4.9643



16.3353, 32.6339, 18.6510



24.3634, 32.6339, 115.4489



52.5921, 32.6339, 60.3838

Rectangle

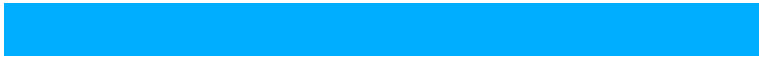
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.7847, 32.6339, 4.9643



22.7848, 32.6339, 5.6777



24.3634, 32.6339, 115.4489



41.0270, 32.6339, 109.9834

Sweetspot

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



38.7854, 32.6356, 4.9649



77.0057, 78.5852, 57.6478



33.2866, 17.2238, 16.7403



16.0721, 16.3077, 11.2533



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.



38.7854, 32.6356, 4.9649



51.1170, 41.0140, 5.2223



53.3935, 66.2860, 10.6901



14.3433, 14.9726, 14.4408



22.3475, 18.1329, 2.3222



1.6377, 1.4342, 0.1905

Inverse Universe

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



18.9628, 16.3707, 71.2673



23.8042, 18.7284, 96.9681



14.0198, 6.1027, 69.5459



13.4433, 14.2257, 17.4250



10.4875, 8.4445, 42.1256



0.8149, 0.7613, 2.9492

Previews

White Background



This preview shows how the XYZ color 38.7847, 32.6339, 4.9643 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 38.7847, 32.6339, 4.9643 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 38.7847, 32.6339, 4.9643

Background



This preview shows how black text looks on a background with the XYZ color 38.7847, 32.6339, 4.9643.



This preview shows how white text looks on a background with the XYZ color 38.7847, 32.6339,

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

38.7847, 32.6339, 4.9643

Protanopia

29.7655, 32.9700, 5.8320

Deuteranopia

33.1987, 32.6032, 4.5433



Tritanopia

43.3152, 32.7194, 26.5868

Trichromacy



Original Color

38.7847, 32.6339, 4.9643

Protanomaly

32.5036, 32.4565, 5.4713

Deuteranomaly

34.8937, 32.3427, 4.6334

Tritanomaly

40.7463, 32.2362, 14.4306

Monochromacy



Original Color

38.7847, 32.6339, 4.9643

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.4775, 29.2843, 16.4107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7847, 32.6339, 4.9643 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(222, 134, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 134, 21) }
```

Border

The CSS property to change the border of an element to XYZ 38.7847, 32.6339, 4.9643 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, 21) }
```


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

```
.border{ border-color:rgb(222, 134, 21) }
```

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, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 134, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 134, 21);  
box-shadow:4px 4px 4px 4px rgb(222, 134,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7847, 32.6339, 4.9643 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, 21) }
```

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

```
.background{ background-color: rgb(222,  
134, 21) }
```

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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