

Converting Colors

XYZ(49.7369, 43.6550, 8.3731)

Have a look what the booklet for
XYZ(49.7369, 43.6550, 8.3731)
contains.

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Color

**XYZ(49.6822, 43.7057,
8.4023)**

Conversions

Conversions Part 1

Format	Color
Hex	F39E2E
RGB	243, 158, 46
RGB Percent	95%, 62%, 18%
CMY	0.0471, 0.3804, 0.8196
CMYK	0.00, 0.35, 0.81, 0.05
HSL	34°, 89%, 57%
HSV	34°, 81%, 95%
XYZ	49.6822, 43.7057, 8.4023
YIQ	170.6470, 86.6120, -16.8120

Conversions

Conversions Part 2

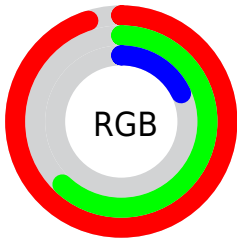
Format	Color
R _Y B	196, 243, 46
Decimal	15965742
CIE Lab	72.03, 23.32, 66.63
CIE LCh	72, 70.595, 70.707
Yxy	43.7057, 0.4881, 0.4294
Android (android.graphics.Color)	4294155822 (0xFFFF39E2E)
YUV	170.6470, -61.4510, 63.4536
Hunter-Lab	66.1103, 18.4506, 38.7417

Details

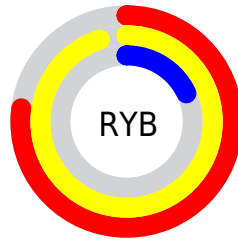
The XYZ color **49.6822, 43.7057, 8.4023** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **25.4203, 23.2837, 87.9479**, and the grayscale version is **38.8008, 40.8215, 44.4546**.

A 20% lighter version of the original color is **67.3832, 69.7881, 22.2309**, and **24.2101, 20.1318, 2.6098** is the 20% darker color. If you saturate the color by 10%, you get **47.6191, 40.1418, 5.9825**, and if you desaturate by 10%, it is **52.1705, 47.6875, 12.2998**.

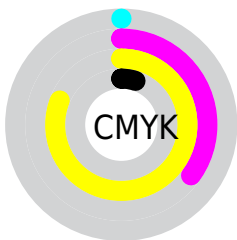
Distribution



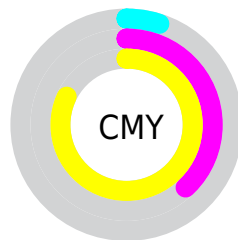
- Red (95%)
- Green (62%)
- Blue (18%)



- Red (77%)
- Yellow (95%)
- Blue (18%)



- Cyan (0%)
- Magenta (35%)
- Yellow (81%)
- Black (5%)



- Cyan (5%)
- Magenta (38%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6822, 43.7057, 8.4023 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 49.6822, 43.7057, 8.4023 by changing the saturation by 10% instead.

49.6822, 43.7057,
8.4023

49.6822, 43.7057,
8.4023

375.8944,
361.5060, 188.9051

35.3777, 30.4392,
4.2620

88.8985, 80.7747,
23.3025

24.1219, 20.1722,
1.7701

114.5410,
105.3460, 34.8994

15.5493, 12.5203,
0.4082

144.6935,
134.4544, 49.8190

9.2946, 7.0991,
0.0000

179.7215,
168.4842, 68.4797

4.9925, 3.5241,
0.0000

219.9902,
207.8199, 91.3002

2.2776, 1.4111,
0.0000

265.8650,

0.7831, 0.2249,

252.8458, 118.6989

0.0000

317.7113,
303.9464, 151.0943

■ 0.0000, 0.0000,
0.0000

■ 49.6822, 43.7057,
8.4023

■ 49.6822, 43.7057,
8.4023

■ 47.6191, 40.1418,
5.9825

■ 52.1705, 47.6875,
12.2998


■ 46.0732, 37.2771,
4.7669


■ 55.1246, 52.1038,
17.8841


■ 58.5825, 56.9772,
25.3327


■ 62.5764, 62.3262,
34.7998

■ 67.1359, 68.1677,
46.4232

 72.2877, 74.5178,
60.3288

 78.0567, 81.3912,
76.6322

 84.4664, 88.8024,
95.4417

 89.9366, 96.1239,
108.4214

Harmonies

Analogous

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



61.7124, 43.7057, 16.0900



49.6822, 43.7057, 8.4023



37.3807, 43.7057, 7.6182

Triad

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



49.6822, 43.7057, 8.4023



22.6699, 43.7057, 61.0209



58.5713, 43.7057, 117.7587

Complementary

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



49.6822, 43.7057, 8.4023



25.4203, 23.2837, 87.9479

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.



45.9990, 43.7057, 147.1954



49.6822, 43.7057, 8.4023



26.3271, 43.7057, 105.3595

Square

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



49.6822, 43.7057, 8.4023



23.2752, 43.7057, 28.8474



34.3415, 43.7057, 141.8000



67.4921, 43.7057, 73.0720

Rectangle

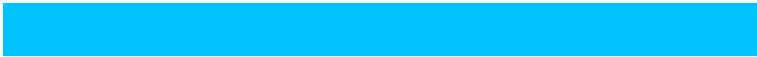
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.6822, 43.7057, 8.4023



30.7906, 43.7057, 10.2839



34.3415, 43.7057, 141.8000



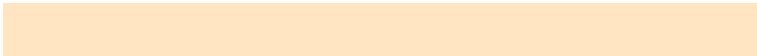
54.5409, 43.7057, 130.5549

Sweetspot

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



49.6832, 43.7079, 8.4031



78.8627, 80.9611, 62.3918



42.0609, 22.6576, 23.7605



16.4393, 16.7864, 12.1641



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.



49.6832, 43.7079, 8.4031



51.9161, 42.5452, 5.6954



65.1338, 81.0989, 14.8060



17.2812, 18.0465, 17.3701



25.4234, 20.7323, 2.6618



2.3365, 2.0262, 0.2679

Inverse Universe

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



25.4203, 23.2837, 87.9479



24.2046, 19.3871, 97.0741



18.9665, 9.3594, 85.6004



16.1692, 17.1026, 20.9915



11.7705, 9.3349, 47.7195



1.1345, 1.0205, 4.2274

Previews

White Background



This preview shows how the XYZ color 49.6822, 43.7057, 8.4023 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 49.6822, 43.7057, 8.4023 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 49.6822, 43.7057, 8.4023

Background



This preview shows how black text looks on a background with the XYZ color 49.6822, 43.7057, 8.4023.



This preview shows how white text looks on a background with the XYZ color 49.6822, 43.7057,

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

49.6822, 43.7057, 8.4023

Protanopia

39.6084, 43.6891, 9.4772

Deuteranopia

44.8520, 43.8604, 8.2924



Tritanopia

55.8284, 43.7882, 37.8572

Trichromacy



Original Color

49.6822, 43.7057, 8.4023

Protanomaly

42.6607, 43.2673, 9.0087

Deuteranomaly

46.3446, 43.5483, 8.2485

Tritanomaly

52.7969, 43.5150, 22.4462

Monochromacy



Original Color

49.6822, 43.7057, 8.4023

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.4281, 40.6491, 25.4539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6822, 43.7057, 8.4023 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(243, 158, 46)` looks like.

```
.text, #text, p{  
    color:rgb(243, 158, 46)  
}
```

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(243, 158, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 158, 46) }
```

Border

The CSS property to change the border of an element to XYZ 49.6822, 43.7057, 8.4023 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(243, 158, 46) }
```


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

```
.border{ border-color:rgb(243, 158, 46) }
```

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

Here you see how a box with a 4 pixel rgb(243, 158, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 158, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 158, 46);  
box-shadow:4px 4px 4px 4px rgb(243, 158,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6822, 43.7057, 8.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 158, 46) }
```

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

```
.background{ background-color: rgb(243,  
158, 46) }
```

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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