

Converting Colors

XYZ(49.6668, 44.2877, 6.2740)

Have a look what the booklet for
XYZ(49.6668, 44.2877, 6.2740)
contains.

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Color

**XYZ(49.5993, 44.2228,
6.2695)**

Conversions

Conversions Part 1

Format	Color
Hex	F3A00C
RGB	243, 160, 12
RGB Percent	95%, 63%, 5%
CMY	0.0471, 0.3725, 0.9529
CMYK	0.00, 0.34, 0.95, 0.05
HSL	38°, 91%, 50%
HSV	38°, 95%, 95%
XYZ	49.5993, 44.2228, 6.2695
YIQ	167.9450, 96.9760, -28.4320

Conversions

Conversions Part 2

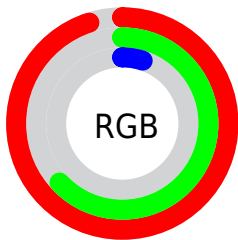
Format	Color
RYB	142, 243, 12
Decimal	15966220
CIELab	72.38, 21.61, 75.14
CIELCh	72, 78.190, 73.956
Yxy	44.2228, 0.4955, 0.4418
Android (android.graphics.Color)	4294156300 (0xFFFF3A00C)
YUV	167.9450, -76.8809, 65.8232
Hunter-Lab	66.5002, 16.7591, 40.9604

Details

The XYZ color **49.5993, 44.2228, 6.2695** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **20.4220, 14.7347, 86.5611**, and the grayscale version is **37.5265, 39.4808, 42.9946**.

A 20% lighter version of the original color is **67.0634, 70.4701, 18.0501**, and **24.4186, 20.5489, 2.6793** is the 20% darker color. If you saturate the color by 10%, you get **48.7985, 42.7278, 5.6753**, and if you desaturate by 10%, it is **51.4243, 47.4622, 8.1450**.

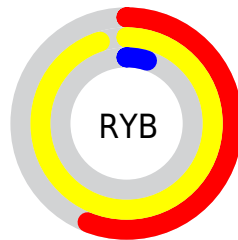
Distribution



Red (95%)

Green (63%)

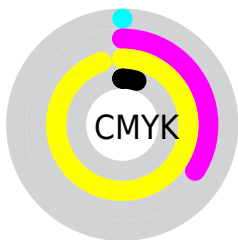
Blue (5%)



Red (56%)

Yellow (95%)

Blue (5%)

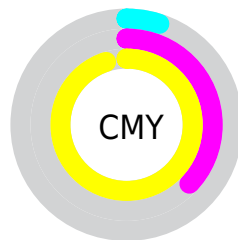


Cyan (0%)

Magenta (34%)

Yellow (95%)

Black (5%)



Cyan (5%)


Magenta (37%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5993, 44.2228, 6.2695 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 49.5993, 44.2228, 6.2695 by changing the saturation by 10% instead.


 49.5993, 44.2228,
6.2695

 49.5993, 44.2228,
6.2695


375.5748,
363.6167, 170.8416

 35.3116, 30.8457,
2.9382


 88.7763, 81.5529,
18.9750

 24.0706, 20.4814,
1.0632

 114.3963,
106.2747, 29.1863

 15.5111, 12.7454,
0.0000


 144.5244,
135.5468, 42.5280

 9.2675, 7.2535,
0.0000

 179.5261,
169.7537, 59.4186

 4.9746, 3.6211,
0.0000

 219.7666,
209.2798, 80.2768

 2.2669, 1.4640,
0.0000

 265.6113,

 0.7777, 0.2632,

254.5093, 105.5210

0.0000

317.4256,
305.8269, 135.5697

■ 0.0000, 0.0000,
0.0000

■ 49.5993, 44.2228,
6.2695

■ 49.5993, 44.2228,
6.2695

■ 48.7985, 42.7278,
5.6753

■ 51.4243, 47.4622,
8.1450

■ 53.6086, 51.0170,
11.3822

■ 56.1990, 54.9109,
16.2130

■ 59.2331, 59.1622,
22.8256

■ 62.7434, 63.7870,
31.3816

■ 66.7589, 68.7999,
42.0243

■ 71.3059, 74.2144,
54.8835

■ 76.4087, 80.0430,
70.0782

■ 82.0900, 86.2978,
87.7189

Harmonies

Analogous

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



63.5532, 44.2228, 12.8503



49.5993, 44.2228, 6.2695



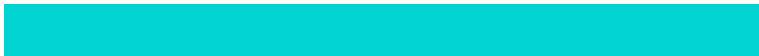
36.0943, 44.2228, 6.0916

Triad

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



49.5993, 44.2228, 6.2695



21.5854, 44.2228, 68.3316



62.6784, 44.2228, 123.6507

Complementary

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



49.5993, 44.2228, 6.2695



20.4220, 14.7347, 86.5611

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.



48.5886, 44.2228, 161.8594



49.5993, 44.2228, 6.2695



26.0178, 44.2228, 120.1024

Square

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



49.5993, 44.2228, 6.2695



21.7423, 44.2228, 30.4325



35.2772, 44.2228, 160.2952



72.1360, 44.2228, 71.6807

Rectangle

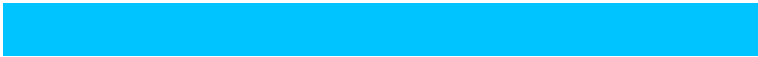
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.5993, 44.2228, 6.2695



29.1699, 44.2228, 9.1236



35.2772, 44.2228, 160.2952



58.2098, 44.2228, 139.5187

Sweetspot

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



49.6003, 44.2251, 6.2703



77.4475, 80.3220, 55.1647



39.2376, 20.1754, 13.0642



16.1190, 16.6441, 10.5214



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.



49.6003, 44.2251, 6.2703



54.4047, 47.5894, 6.3182



59.3261, 78.1542, 12.3067



17.3847, 18.2535, 17.4046



26.9148, 23.7152, 3.1589



2.4626, 2.2785, 0.3100

Inverse Universe

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



20.4220, 14.7347, 86.5611



21.8443, 14.8087, 96.3148



17.2975, 7.2438, 85.2799



16.0685, 16.9012, 20.9579



10.8791, 7.5520, 47.4223



1.0499, 0.8512, 4.1992

Previews

White Background



This preview shows how the XYZ color 49.5993, 44.2228, 6.2695 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 49.5993, 44.2228, 6.2695 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 49.5993, 44.2228, 6.2695

Background



This preview shows how black text looks on a background with the XYZ color 49.5993, 44.2228, 6.2695.



This preview shows how white text looks on a background with the XYZ color 49.5993, 44.2228,

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

49.5993, 44.2228, 6.2695

Protanopia

40.1341, 44.3088, 7.0990

Deuteranopia

45.2393, 44.3835, 6.1825



Tritanopia

56.5170, 44.3570, 38.8407

Trichromacy



Original Color

49.5993, 44.2228, 6.2695

Protanomaly

42.9830, 43.7652, 6.7124

Deuteranomaly

46.9368, 44.4370, 6.2182

Tritanomaly

52.3505, 43.5972, 19.2916

Monochromacy



Original Color

49.5993, 44.2228, 6.2695

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.8301, 39.6601, 20.6475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5993, 44.2228, 6.2695 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, 160, 12)` looks like.

```
.text, #text, p{  
    color:rgb(243, 160, 12)  
}
```

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, 160, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 160, 12) }
```

Border

The CSS property to change the border of an element to XYZ 49.5993, 44.2228, 6.2695 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, 160, 12) }
```


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

```
.border{ border-color:rgb(243, 160, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 160, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 160, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 160, 12);  
box-shadow:4px 4px 4px 4px rgb(243, 160,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5993, 44.2228, 6.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 160, 12) }
```

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

```
.background{ background-color: rgb(243,  
160, 12) }
```

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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