

Converting Colors

XYZ(24.3980, 33.8081, 5.3349)

Have a look what the booklet for
XYZ(24.3980, 33.8081, 5.3349)
contains.

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Color

**XYZ(24.5445, 33.9903,
5.3533)**

Conversions

Conversions Part 1

Format	Color
Hex	88AA03
RGB	136, 170, 3
RGB Percent	53%, 67%, 1%
CMY	0.4667, 0.3333, 0.9882
CMYK	0.20, 0.00, 0.98, 0.33
HSL	72°, 97%, 34%
HSV	72°, 98%, 67%
XYZ	24.5445, 33.9903, 5.3533
YIQ	140.7960, 33.3430, -59.1450

Conversions

Conversions Part 2

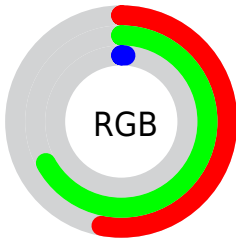
Format	Color
RYB	3, 170, 37
Decimal	8956419
CIELab	64.95, -30.54, 66.31
CIElCh	65, 73.005, 114.731
Yxy	33.9903, 0.3842, 0.5320
Android (android.graphics.Color)	4287146499 (0xFF88AA03)
YUV	140.7960, -67.9334, -4.2061
Hunter-Lab	58.3012, -26.8795, 35.3667

Details

The XYZ color **24.5445, 33.9903, 5.3533** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.0525, 3.3616, 38.2568**, and the grayscale version is **25.4876, 26.8149, 29.2014**.

A 20% lighter version of the original color is **50.2571, 65.7237, 17.0583**, and **9.8718, 14.7062, 2.3183** is the 20% darker color. If you saturate the color by 10%, you get **24.4293, 33.9339, 5.2623**, and if you desaturate by 10%, it is **25.2266, 34.3304, 5.9594**.

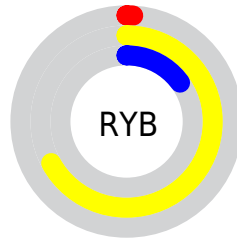
Distribution



Red (53%)

Green (67%)

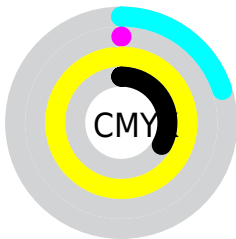
Blue (1%)



Red (1%)

Yellow (67%)

Blue (15%)

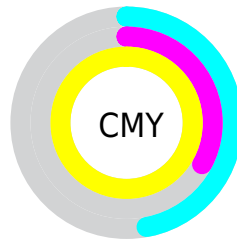


Cyan (20%)

Magenta (0%)

Yellow (98%)

Black (33%)



Cyan (47%)


Magenta (33%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5445, 33.9903, 5.3533 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 24.5445, 33.9903, 5.3533 by changing the saturation by 10% instead.


 24.5445, 33.9903,
5.3533


 24.5445, 33.9903,
5.3533


267.9515,
320.0888, 162.2526


 15.8649, 22.8861,
2.3937


 50.3655, 65.9186,
17.0270


 9.5189, 14.5095,
0.7830


 68.2377, 87.5115,
26.5781

 5.1409, 8.4758,
0.0000


 89.9048, 113.3695,
39.1634

 2.3658, 4.4009,
0.0000

 115.7322,
143.8769, 55.2015

 0.8280, 1.9003,
0.0000

 146.0852,
179.4181, 75.1110

 0.0000, 0.5485,
0.0000

 181.3292,

 0.0000, 0.0000,

220.3776, 99.3102

0.0000

221.8295,
267.1397, 128.2179

24.5445, 33.9903,
5.3533

24.5445, 33.9903,
5.3533

24.4293, 33.9339,
5.2623

25.2266, 34.3304,
5.9594

26.0241, 34.7175,
7.0812

26.9644, 35.1639,
8.8583

28.0630, 35.6757,
11.3713

29.3330, 36.2583,
14.6890

■ 30.7862, 36.9164,
18.8726

■ 32.4333, 37.6542,
23.9771

■ 34.2840, 38.4757,
30.0531

■ 36.3474, 39.3846,
37.1476

Harmonies

Analogous

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



34.2050, 33.9903, 4.0718



24.5445, 33.9903, 5.3533



18.4183, 33.9903, 12.5851

Triad

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



24.5445, 33.9903, 5.3533



21.9558, 33.9903, 107.5521



56.9970, 33.9903, 42.6031

Complementary

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



24.5445, 33.9903, 5.3533



8.0525, 3.3616, 38.2568

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.



51.8510, 33.9903, 81.6887



24.5445, 33.9903, 5.3533



30.4801, 33.9903, 130.1838

Square

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



24.5445, 33.9903, 5.3533



17.1674, 33.9903, 67.0085



41.5540, 33.9903, 118.7824



54.4458, 33.9903, 17.6431

Rectangle

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



24.5445, 33.9903, 5.3533



16.4278, 33.9903, 23.7258



41.5540, 33.9903, 118.7824



56.0820, 33.9903, 54.5068

Sweetspot

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



24.5453, 33.9918, 5.3540



58.4347, 68.1335, 42.1999



17.2385, 9.8401, 1.0774



12.7491, 15.0679, 8.5276



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.5453, 33.9918, 5.3540



44.1386, 61.4717, 9.5389



15.8662, 29.5176, 4.9478



7.9950, 8.6955, 8.0463



18.0159, 24.9848, 3.8730



0.4752, 0.6269, 0.0960

Inverse Universe

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



8.0525, 3.3616, 38.2568



14.2547, 5.8278, 69.3755



15.0218, 6.9544, 38.5829



7.2692, 7.3714, 9.4580



5.8762, 2.4127, 28.1315



0.1819, 0.0788, 0.6863

Previews

White Background



This preview shows how the XYZ color 24.5445, 33.9903, 5.3533 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 24.5445, 33.9903, 5.3533 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 24.5445, 33.9903, 5.3533

Background



This preview shows how black text looks on a background with the XYZ color 24.5445, 33.9903, 5.3533.

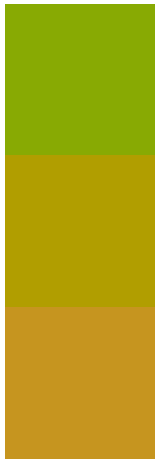


This preview shows how white text looks on a background with the XYZ color 24.5445, 33.9903,

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

24.5445, 33.9903, 5.3533

Protanopia

30.3583, 33.8008, 4.9242

Deuteranopia

34.2835, 33.5996, 5.9748



Tritanopia

32.1552, 33.8780, 43.3724

Trichromacy



Original Color

24.5445, 33.9903, 5.3533

Protanomaly

27.8261, 33.5242, 5.0329

Deuteranomaly

29.8715, 33.2820, 5.5591

Tritanomaly

27.4119, 32.9862, 19.6741

Monochromacy



Original Color

24.5445, 33.9903, 5.3533

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.7640, 28.7008, 14.1848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5445, 33.9903, 5.3533 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(136, 170, 3)` looks like.

```
.text, #text, p{  
    color:rgb(136, 170, 3)  
}
```

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(136, 170, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 170, 3) }
```

Border

The CSS property to change the border of an element to XYZ 24.5445, 33.9903, 5.3533 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(136, 170, 3) }
```


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

```
.border{ border-color:rgb(136, 170, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 170, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 170, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 170, 3);  
box-shadow:4px 4px 4px 4px rgb(136, 170,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5445, 33.9903, 5.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 170, 3) }
```

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

```
.background{ background-color: rgb(136,  
170, 3) }
```

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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