

Converting Colors

XYZ(24.9445, 13.8803, 53.5890)

Have a look what the booklet for
XYZ(24.9445, 13.8803, 53.5890)
contains.

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Color

**XYZ(24.9445, 13.8803,
53.5890)**

Conversions

Conversions Part 1

Format	Color
Hex	9B39C4
RGB	155, 57, 196
RGB Percent	61%, 22%, 77%
CMY	0.3921, 0.7765, 0.2314
CMYK	0.21, 0.71, 0.00, 0.23
HSL	282°, 55%, 50%
HSV	282°, 71%, 77%
XYZ	24.9445, 13.8803, 53.5890
YIQ	102.1480, 13.7890, 64.0050

Conversions

Conversions Part 2

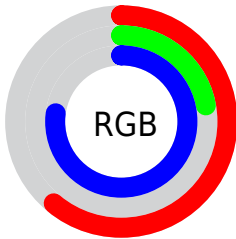
Format	Color
R_{YB}	155, 57, 196
Decimal	10172868
CIE _{Lab}	44.06, 61.24, -54.35
CIE _{LCh}	44, 81.882, 318.409
Yxy	13.8803, 0.2699, 0.1502
Android (android.graphics.Color)	4288362948 (0xFF9B39C4)
YUV	102.1480, 46.2690, 46.3512
Hunter-Lab	37.2563, 54.3141, -59.2027

Details

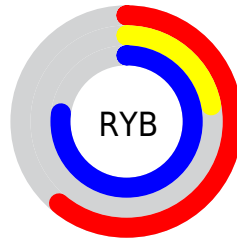
The XYZ color **24.9445, 13.8803, 53.5890** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **25.5157, 42.3722, 10.7051**, and the grayscale version is **12.5489, 13.2024, 14.3774**.

A 20% lighter version of the original color is **50.9644, 32.8263, 96.5785**, and **9.9533, 4.5757, 25.5579** is the 20% darker color. If you saturate the color by 10%, you get **23.0728, 11.7443, 53.2756**, and if you desaturate by 10%, it is **27.2443, 16.7924, 54.0301**.

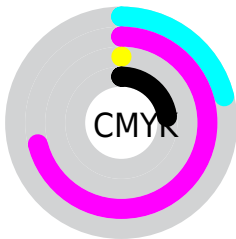
Distribution



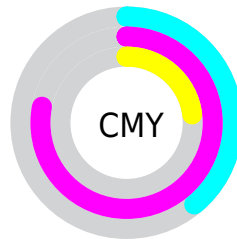
- Red (61%)
- Green (22%)
- Blue (77%)



- Red (61%)
- Yellow (22%)
- Blue (77%)



- Cyan (21%)
- Magenta (71%)
- Yellow (0%)
- Black (23%)



- Cyan (39%)
- Magenta (78%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9445, 13.8803, 53.5890 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 24.9445, 13.8803, 53.5890 by changing the saturation by 10% instead.

■ 24.9445, 13.8803,
53.5890

■ 24.9445, 13.8803,
53.5890

269.9142,
216.4849, 417.6710

■ 16.1642, 8.0375,
37.8822

■ 51.0107, 32.8765,
96.9208

■ 9.7320, 4.1189,
25.5902

■ 69.0274, 46.7986,
125.3830

■ 5.2825, 1.7403,
16.2943

■ 90.8535, 64.1826,
158.9340

■ 2.4504, 0.4496,
9.5760

■ 116.8545, 85.4130,
197.9924

■ 0.8703, 0.0000,
5.0169

■ 147.3957,
110.8739, 242.9768

■ 0.0000, 0.0000,
2.1982

182.8425,

■ 0.0000, 0.0000,

140.9500, 294.3056

0.6734

223.5602,
176.0255, 352.3975

■ 0.0000, 0.0000,
0.0000

■ 24.9445, 13.8803,
53.5890

■ 24.9445, 13.8803,
53.5890

■ 23.0728, 11.7443,
53.2756

■ 27.2443, 16.7924,
54.0301

■ 21.5810, 10.2908,
53.0737

■ 30.0097, 20.5565,
54.6109

■ 20.4764, 9.4050,
52.9609

■ 33.2758, 25.2407,
55.3429

■ 37.0733, 30.9061,
56.2363

■ 41.4308, 37.6082,
57.3003

■ 46.3743, 45.3983,
58.5434

■ 51.9282, 54.3243,
59.9735

■ 58.1156, 64.4314,
61.5983

■ 64.9582, 75.7619,
63.4246

Harmonies

Analogous

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



17.5540, 13.8803, 81.0338



24.9445, 13.8803, 53.5890



29.6477, 13.8803, 23.5219

Triad

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



24.9445, 13.8803, 53.5890



15.8713, 13.8803, 0.0000



4.5231, 13.8803, 29.4973

Complementary

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



24.9445, 13.8803, 53.5890



25.5157, 42.3722, 10.7051

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.



4.3370, 13.8803, 8.9936



24.9445, 13.8803, 53.5890



9.6213, 13.8803, 0.0000

Square

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



24.9445, 13.8803, 53.5890



23.3693, 13.8803, 1.0311



5.8705, 13.8803, 1.6208



6.5056, 13.8803, 60.9090

Rectangle

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



24.9445, 13.8803, 53.5890



29.8553, 13.8803, 10.4535



5.8705, 13.8803, 1.6208



4.2797, 13.8803, 20.9855

Sweetspot

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



24.9451, 13.8808, 53.5893



74.7076, 67.5899, 103.7164



16.0850, 13.7228, 54.0258



15.4968, 13.7013, 22.0778



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.



24.9451, 13.8808, 53.5893



40.2542, 19.7075, 96.2900



31.3149, 17.4970, 38.8707



10.1986, 10.0935, 12.6956



13.2464, 6.0892, 34.0338



0.6386, 0.2972, 1.4736

Inverse Universe

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



26.4330, 15.5442, 13.1626



44.3484, 23.6252, 14.8403



23.0594, 41.0027, 15.2521



10.1927, 10.1257, 11.1053



15.1484, 7.7491, 3.4275



0.6856, 0.3472, 0.3117

Previews

White Background



This preview shows how the XYZ color 24.9445, 13.8803, 53.5890 looks on a white background.

Color Contrast Check

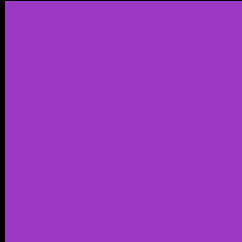
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.9445, 13.8803, 53.5890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

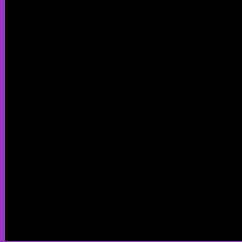
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9445, 13.8803, 53.5890

Background



This preview shows how black text looks on a background with the XYZ color 24.9445, 13.8803, 53.5890.



This preview shows how white text looks on a background with the XYZ color 24.9445, 13.8803,

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

24.9445, 13.8803, 53.5890

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

14.4770, 14.0781, 48.9680



Tritanopia

16.7140, 13.9207, 13.1153

Trichromacy



Original Color

24.9445, 13.8803, 53.5890



Protanomaly

16.1419, 11.8427, 60.4666



Deuteranomaly

15.3825, 12.0367, 50.2278



Tritanomaly

18.7067, 13.3052, 23.7725

Monochromacy



Original Color

24.9445, 13.8803, 53.5890



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

15.6569, 12.4981, 24.8797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9445, 13.8803, 53.5890 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(155, 57, 196)` looks like.

```
.text, #text, p{  
    color:rgb(155, 57, 196)  
}
```

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(155, 57, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 57, 196) }
```

Border

The CSS property to change the border of an element to XYZ 24.9445, 13.8803, 53.5890 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(155, 57, 196) }
```


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

```
.border{ border-color:rgb(155, 57, 196) }
```

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

Here you see how a box with a 4 pixel rgb(155, 57, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 57, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 57, 196);  
box-shadow:4px 4px 4px 4px rgb(155, 57,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9445, 13.8803, 53.5890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 57, 196) }
```

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

```
.background{ background-color: rgb(155, 57,  
196) }
```

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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