

Converting Colors

XYZ(24.0509, 13.6765, 45.1164)

Have a look what the booklet for
XYZ(24.0509, 13.6765, 45.1164)
contains.

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Color

**XYZ(23.9541, 13.6314,
45.0847)**

Conversions

Conversions Part 1

Format	Color
Hex	9E3AB5
RGB	158, 58, 181
RGB Percent	62%, 23%, 71%
CMY	0.3804, 0.7725, 0.2902
CMYK	0.13, 0.68, 0.00, 0.29
HSL	289°, 51%, 47%
HSV	289°, 68%, 71%
XYZ	23.9541, 13.6314, 45.0847
YIQ	101.9220, 20.1170, 59.4530

Conversions

Conversions Part 2

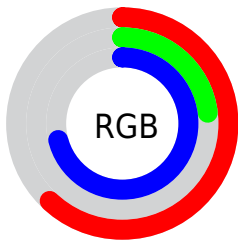
Format	Color
R_{YB}	158, 58, 181
Decimal	10369717
CIE _{Lab}	43.70, 58.50, -46.14
CIE _{LCh}	44, 74.507, 321.738
Yxy	13.6314, 0.2898, 0.1649
Android (android.graphics.Color)	4288559797 (0xFF9E3AB5)
YUV	101.9220, 38.9855, 49.1804
Hunter-Lab	36.9207, 51.1992, -46.5558

Details

The XYZ color **23.9541, 13.6314, 45.0847** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.6813, 35.1029, 9.6890**, and the grayscale version is **12.5074, 13.1588, 14.3299**.

A 20% lighter version of the original color is **49.3621, 32.4304, 84.5469**, and **9.4243, 4.4159, 20.4343** is the 20% darker color. If you saturate the color by 10%, you get **22.5403, 11.7781, 44.8017**, and if you desaturate by 10%, it is **25.7080, 16.1367, 45.4760**.

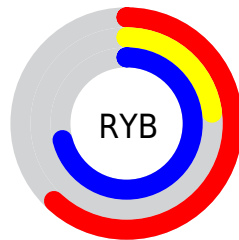
Distribution



Red (62%)

Green (23%)

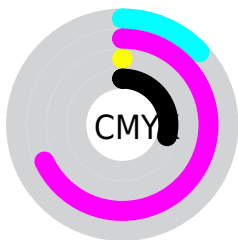
Blue (71%)



Red (62%)

Yellow (23%)

Blue (71%)

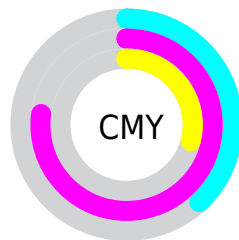


Cyan (13%)

Magenta (68%)

Yellow (0%)

Black (29%)



Cyan (38%)

Magenta (77%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9541, 13.6314, 45.0847 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 23.9541, 13.6314, 45.0847 by changing the saturation by 10% instead.

■ 23.9541, 13.6314,
45.0847

■ 23.9541, 13.6314,
45.0847

265.0331,
214.9255, 383.2866

■ 15.4241, 7.8647,
31.1807

■ 49.4105, 32.4336,
84.1673

■ 9.2058, 4.0085,
20.4769

■ 67.0677, 46.2379,
110.1830

■ 4.9339, 1.6783,
12.5547

■ 88.4979, 63.4902,
141.0730

■ 2.2429, 0.4096,
6.9955

■ 114.0666, 84.5749,
177.2558

■ 0.7652, 0.0000,
3.3809

■ 144.1391,
109.8763, 219.1501

■ 0.0000, 0.0000,
1.2923

179.0808,

■ 0.0000, 0.0000,

139.7790, 267.1743

0.0554

219.2570,
174.6673, 321.7469

■ 0.0000, 0.0000,
0.0000

■ 23.9541, 13.6314,
45.0847

■ 23.9541, 13.6314,
45.0847

■ 22.5403, 11.7781,
44.8017

■ 25.7080, 16.1367,
45.4760

■ 21.4294, 10.5042,
44.6144

■ 27.8308, 19.3527,
45.9849

■ 20.5660, 9.6984,
44.5043

■ 30.3498, 23.3336,
46.6205

■ 20.4011, 9.5537,
44.4851

■ 33.2894, 28.1278,
47.3910

■ 36.6718, 33.7796,
48.3036

■ 40.5178, 40.3303,
49.3653

■ 44.8466, 47.8182,
50.5825

■ 49.6765, 56.2795,
51.9611

■ 55.0247, 65.7487,
53.5070

Harmonies

Analogous

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



17.5874, 13.6314, 69.4229



23.9541, 13.6314, 45.0847



27.5896, 13.6314, 19.9720

Triad

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



23.9541, 13.6314, 45.0847



14.6416, 13.6314, 0.1126



5.0620, 13.6314, 30.2660

Complementary

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



23.9541, 13.6314, 45.0847



20.6813, 35.1029, 9.6890

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.



4.7054, 13.6314, 10.6760



23.9541, 13.6314, 45.0847



9.2191, 13.6314, 0.4290

Square

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



23.9541, 13.6314, 45.0847



21.2496, 13.6314, 1.1936



5.9763, 13.6314, 2.4931



7.1620, 13.6314, 57.2588

Rectangle

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



23.9541, 13.6314, 45.0847



27.3938, 13.6314, 9.2033



5.9763, 13.6314, 2.4931



4.7660, 13.6314, 22.4126

Sweetspot

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



23.9547, 13.6320, 45.0850



64.1623, 57.9457, 86.0975



13.1487, 10.3618, 45.0233



13.4999, 11.9079, 18.5092



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.9547, 13.6320, 45.0850



39.2286, 19.7386, 80.0370



25.6112, 14.8670, 27.9460



8.6912, 8.5648, 10.7014



14.1186, 6.6142, 30.6695



0.4845, 0.2289, 0.9669

Inverse Universe

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



22.0547, 13.4444, 9.2177



36.3474, 19.8192, 9.1550



20.3302, 34.7720, 16.4435



8.5591, 8.5304, 9.1768



13.3538, 6.8591, 1.7573



0.4395, 0.2235, 0.1569

Previews

White Background



This preview shows how the XYZ color 23.9541, 13.6314, 45.0847 looks on a white background.

Color Contrast Check

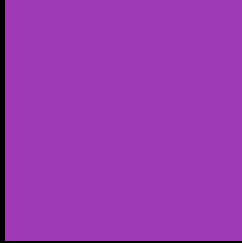
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9541, 13.6314, 45.0847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

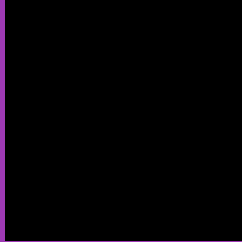
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 23.9541, 13.6314, 45.0847

Background



This preview shows how black text looks on a background with the XYZ color 23.9541, 13.6314, 45.0847.



This preview shows how white text looks on a background with the XYZ color 23.9541, 13.6314,

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

23.9541, 13.6314, 45.0847

Protanopia

16.5674, 13.9184, 64.7641

Deuteranopia

14.3393, 14.0198, 41.4855



Tritanopia

17.1576, 13.5569, 12.0684

Trichromacy



Original Color

23.9541, 13.6314, 45.0847



Protanomaly

15.4785, 11.5839, 56.6785



Deuteranomaly

15.9423, 12.4937, 42.6456



Tritanomaly

18.8638, 13.1336, 20.9428

Monochromacy



Original Color

23.9541, 13.6314, 45.0847



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

15.4506, 12.4318, 23.0580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9541, 13.6314, 45.0847 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(158, 58, 181)` looks like.

```
.text, #text, p{  
    color:rgb(158, 58, 181)  
}
```

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(158, 58, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 58, 181) }
```

Border

The CSS property to change the border of an element to XYZ 23.9541, 13.6314, 45.0847 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(158, 58, 181) }
```


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

```
.border{ border-color:rgb(158, 58, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 58, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 58, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 58, 181); box-shadow:4px 4px 4px 4px rgb(158, 58, 181) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9541, 13.6314, 45.0847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 58, 181) }
```

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

```
.background{ background-color: rgb(158, 58,  
181) }
```

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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