

Converting Colors

XYZ(23.4157, 13.8660, 41.7394)

Have a look what the booklet for
XYZ(23.4157, 13.8660, 41.7394)
contains.

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Color

**XYZ(23.3780, 13.8909,
41.4934)**

Conversions

Conversions Part 1

Format	Color
Hex	9D40AE
RGB	157, 64, 174
RGB Percent	62%, 25%, 68%
CMY	0.3843, 0.7490, 0.3176
CMYK	0.10, 0.63, 0.00, 0.32
HSL	291°, 46%, 47%
HSV	291°, 63%, 68%
XYZ	23.3780, 13.8909, 41.4934
YIQ	104.3470, 20.1180, 53.9260

Conversions

Conversions Part 2

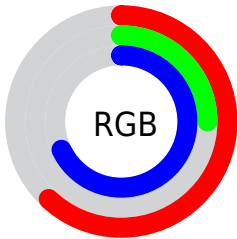
Format	Color
R_{YB}	157, 64, 174
Decimal	10305710
CIE _{Lab}	44.08, 54.33, -41.42
CIE _{LCh}	44, 68.316, 322.677
Yxy	13.8909, 0.2968, 0.1764
Android (android.graphics.Color)	4288495790 (0xFF9D40AE)
YUV	104.3470, 34.3389, 46.1767
Hunter-Lab	37.2705, 46.7411, -39.9185

Details

The XYZ color **23.3780, 13.8909, 41.4934** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.4552, 32.3919, 10.0780**, and the grayscale version is **13.1587, 13.8440, 15.0761**.

A 20% lighter version of the original color is **48.4929, 32.9662, 78.6702**, and **8.9307, 4.2053, 18.4302** is the 20% darker color. If you saturate the color by 10%, you get **22.0267, 11.9582, 41.1918**, and if you desaturate by 10%, it is **25.0480, 16.4428, 41.8982**.

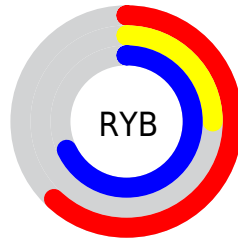
Distribution



Red (62%)

Green (25%)

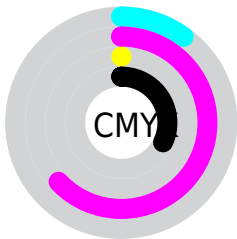
Blue (68%)



Red (62%)

Yellow (25%)

Blue (68%)

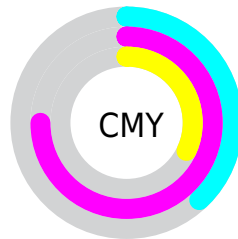


Cyan (10%)

Magenta (63%)

Yellow (0%)

Black (32%)



Cyan (38%)


Magenta (75%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3780, 13.8909, 41.4934 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 23.3780, 13.8909, 41.4934 by changing the saturation by 10% instead.

 23.3780, 13.8909,
41.4934


 23.3780, 13.8909,
41.4934


262.1598,
216.5511, 368.1161


 14.9951, 8.0448,
28.3822


 48.4754, 32.8953,
78.6941


 8.9022, 4.1236,
18.3724


 65.9205, 46.8225,
103.6207


 4.7341, 1.7430,
11.0455


 87.1172, 64.2121,
133.3229

 2.1252, 0.4512,
5.9829

 112.4306, 85.4485,
168.2192

 0.7029, 0.0000,
2.7661

 142.2263,
110.9163, 208.7281

 0.0000, 0.0000,
0.9765

176.8694,

 0.0000, 0.0000,

140.9997, 255.2682

0.0000

216.7255,
176.0831, 308.2580

■ 23.3780, 13.8909,
41.4934

■ 23.3780, 13.8909,
41.4934

■ 22.0267, 11.9582,
41.1918

■ 25.0480, 16.4428,
41.8982

■ 20.9629, 10.5839,
40.9826

■ 27.0608, 19.6638,
42.4138

■ 20.1516, 9.6976,
40.8543

■ 29.4403, 23.6006,
43.0483

■ 19.6924, 9.2692,
40.7958

■ 32.2074, 28.2952,
43.8086

■ 35.3816, 33.7865,
44.7012

■ 38.9809, 40.1104,
45.7321

■ 43.0225, 47.3011,
46.9070

■ 47.5224, 55.3903,
48.2313

■ 52.4957, 64.4085,
49.7098

Harmonies

Analogous

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



17.6552, 13.8909, 62.9520



23.3780, 13.8909, 41.4934



26.5159, 13.8909, 19.2693

Triad

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



23.3780, 13.8909, 41.4934



14.5802, 13.8909, 0.5757



5.7177, 13.8909, 29.8450

Complementary

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



23.3780, 13.8909, 41.4934



19.4552, 32.3919, 10.0780

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.



5.3140, 13.8909, 11.6218



23.3780, 13.8909, 41.4934



9.5701, 13.8909, 0.9059

Square

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



23.3780, 13.8909, 41.4934



20.6061, 13.8909, 1.6261



6.5145, 13.8909, 3.2686



7.8265, 13.8909, 53.5881

Rectangle

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



23.3780, 13.8909, 41.4934



26.2470, 13.8909, 9.4621



6.5145, 13.8909, 3.2686



5.4069, 13.8909, 22.6886

Sweetspot

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



23.3785, 13.8915, 41.4937



60.5652, 55.0138, 80.0635



12.7974, 10.2316, 41.3450



13.1135, 11.6286, 17.6977



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.3785, 13.8915, 41.4937



39.0975, 20.5454, 74.5419



23.8287, 14.4817, 25.3324



8.2137, 8.0845, 10.0802



14.3235, 6.7439, 29.5913



0.4307, 0.2042, 0.8247

Inverse Universe

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



20.7746, 13.2601, 9.2497



34.4937, 19.6008, 9.7742



19.5835, 32.2955, 17.4287



8.0538, 8.0348, 8.5943



12.8178, 6.5897, 1.4202



0.3716, 0.1893, 0.1188

Previews

White Background



This preview shows how the XYZ color 23.3780, 13.8909, 41.4934 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 23.3780, 13.8909, 41.4934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

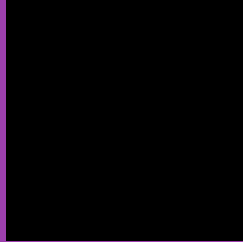
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3780, 13.8909, 41.4934

Background



This preview shows how black text looks on a background with the XYZ color 23.3780, 13.8909, 41.4934.



This preview shows how white text looks on a background with the XYZ color 23.3780, 13.8909,

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

23.3780, 13.8909, 41.4934

Protanopia

16.8220, 14.2365, 62.8341

Deuteranopia

14.5524, 14.1953, 38.5322



Tritanopia

17.3642, 13.8986, 12.3572

Trichromacy



Original Color

23.3780, 13.8909, 41.4934

Protanomaly

16.5483, 12.5472, 54.3730

Deuteranomaly

16.3914, 13.0394, 39.6831

Tritanomaly

18.9488, 13.5061, 20.3471

Monochromacy



Original Color

23.3780, 13.8909, 41.4934

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.7032, 12.9407, 22.4390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3780, 13.8909, 41.4934 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(157, 64, 174)` looks like.

```
.text, #text, p{  
  color:rgb(157, 64, 174)  
}
```

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(157, 64, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 64, 174) }
```

Border

The CSS property to change the border of an element to XYZ 23.3780, 13.8909, 41.4934 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(157, 64, 174) }
```


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

```
.border{ border-color:rgb(157, 64, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 64, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 64, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 64, 174);  
box-shadow:4px 4px 4px 4px rgb(157, 64,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3780, 13.8909, 41.4934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 64, 174) }
```

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

```
.background{ background-color: rgb(157, 64,  
174) }
```

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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