

Converting Colors

XYZ(24.2855, 14.5166, 34.2381)

Have a look what the booklet for
XYZ(24.2855, 14.5166, 34.2381)
contains.

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Color

**XYZ(24.2399, 14.4948,
34.3211)**

Conversions

Conversions Part 1

Format	Color
Hex	A8409F
RGB	168, 64, 159
RGB Percent	66%, 25%, 62%
CMY	0.3412, 0.7490, 0.3765
CMYK	0.00, 0.62, 0.05, 0.34
HSL	305°, 45%, 45%
HSV	305°, 62%, 66%
XYZ	24.2399, 14.4948, 34.3211
YIQ	105.9260, 31.4890, 51.5930

Conversions

Conversions Part 2

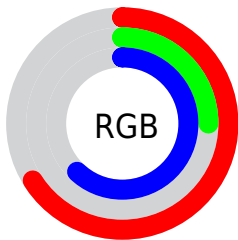
Format	Color
R_{YB}	168, 64, 159
Decimal	11026591
CIE _{Lab}	44.93, 54.43, -31.05
CIE _{LCh}	45, 62.666, 330.295
Yxy	14.4948, 0.3318, 0.1984
Android (android.graphics.Color)	4289216671 (0xFFA8409F)
YUV	105.9260, 26.1655, 54.4389
Hunter-Lab	38.0720, 47.0222, -26.7982

Details

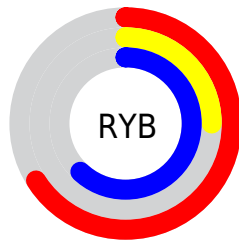
The XYZ color **24.2399, 14.4948, 34.3211** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.3203, 29.5770, 11.1003**, and the grayscale version is **13.6046, 14.3130, 15.5869**.

A 20% lighter version of the original color is **49.9801, 33.9807, 67.5430**, and **9.4639, 4.5722, 14.2936** is the 20% darker color. If you saturate the color by 10%, you get **23.3060, 12.8274, 33.3910**, and if you desaturate by 10%, it is **25.4617, 16.7348, 35.3547**.

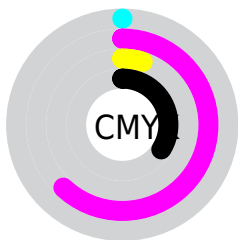
Distribution



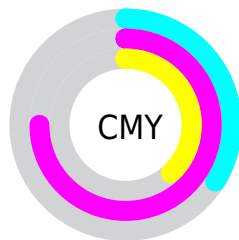
- Red (66%)
- Green (25%)
- Blue (62%)



- Red (66%)
- Yellow (25%)
- Blue (62%)



- Cyan (0%)
- Magenta (62%)
- Yellow (5%)
- Black (34%)





- Cyan (34%)
- Magenta (75%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2399, 14.4948, 34.3211 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 24.2399, 14.4948, 34.3211 by changing the saturation by 10% instead.


 24.2399, 14.4948,
34.3211


 24.2399, 14.4948,
34.3211


266.4491,
220.2877, 336.3742


 15.6374, 8.4656,
22.8610


 49.8732, 33.9644,
67.5723

 9.3571, 4.3943,
14.2866


 67.6347, 48.1737,
90.2005


 5.0338, 1.8965,
8.1792


 89.1800, 65.8784,
117.3885

 2.3021, 0.5463,
4.1204

 114.8742, 87.4629,
149.5548

 0.7957, 0.0000,
1.6916

 145.0830,
113.3117, 187.1180

 0.0000, 0.0000,
0.3550

180.1714,

 0.0000, 0.0000,

143.8092, 230.4966

0.0000

220.5050,
179.3397, 280.1092

■ 24.2399, 14.4948,
34.3211

■ 24.2399, 14.4948,
34.3211

■ 23.3060, 12.8274,
33.3910

■ 25.4617, 16.7348,
35.3547

■ 22.6319, 11.6775,
32.5547

■ 26.9930, 19.5919,
36.4987

■ 22.1865, 10.9829,
31.8019

■ 28.8552, 23.1085,
37.7604

■ 21.9366, 10.6401,
31.2345

■ 31.0674, 27.3226,
39.1462

■ 33.6472, 32.2695,
40.6619

■ 36.6110, 37.9819,
42.3131

■ 39.9742, 44.4907,
44.1048

■ 43.7513, 51.8250,
46.0421

■ 47.9563, 60.0125,
48.1294

Harmonies

Analogous

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



19.3741, 14.4948, 54.8823



24.2399, 14.4948, 34.3211



26.1778, 14.4948, 15.6373

Triad

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



24.2399, 14.4948, 34.3211



13.7261, 14.4948, 1.0370



6.8960, 14.4948, 34.7458

Complementary

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



24.2399, 14.4948, 34.3211



17.3203, 29.5770, 11.1003

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.



6.0814, 14.4948, 15.9283



24.2399, 14.4948, 34.3211



9.3771, 14.4948, 1.8002

Square

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



24.2399, 14.4948, 34.3211



19.2639, 14.4948, 1.7662



6.8640, 14.4948, 5.5166



9.4453, 14.4948, 55.2169

Rectangle

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



24.2399, 14.4948, 34.3211



25.2500, 14.4948, 7.8735



6.8640, 14.4948, 5.5166



6.4432, 14.4948, 27.7447

Sweetspot

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



24.2404, 14.4955, 34.3214



57.5063, 51.7436, 71.7150



11.6244, 7.8981, 37.9582



12.2693, 10.7717, 15.4716



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.2404, 14.4955, 34.3214



41.8180, 22.4548, 60.0491



20.6539, 13.0609, 15.4353



7.8135, 7.6553, 9.3350



16.5748, 8.0386, 23.6364



0.4111, 0.1987, 0.6165

Inverse Universe

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



24.2404, 14.4955, 34.3214



41.8180, 22.4548, 60.0491



19.7981, 30.5681, 24.1482



7.8135, 7.6553, 9.3350



16.5748, 8.0386, 23.6364



0.4111, 0.1987, 0.6165

Previews

White Background



This preview shows how the XYZ color 24.2399, 14.4948, 34.3211 looks on a white background.

Color Contrast Check

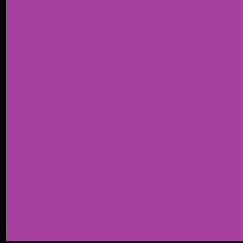
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2399, 14.4948, 34.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

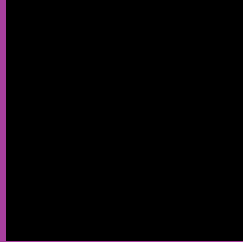
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2399, 14.4948, 34.3211

Background



This preview shows how black text looks on a background with the XYZ color 24.2399, 14.4948, 34.3211.



This preview shows how white text looks on a background with the XYZ color 24.2399, 14.4948,

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

24.2399, 14.4948, 34.3211

Protanopia

16.7378, 14.8524, 53.0236

Deuteranopia

15.0380, 14.7487, 31.7600



Tritanopia

19.3936, 14.3814, 11.2049

Trichromacy



Original Color

24.2399, 14.4948, 34.3211

Protanomaly

17.2797, 13.2477, 45.3624

Deuteranomaly

17.1287, 13.7003, 32.7520

Tritanomaly

20.7260, 14.1703, 17.5624

Monochromacy



Original Color

24.2399, 14.4948, 34.3211

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

16.4960, 13.6300, 21.1634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2399, 14.4948, 34.3211 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(168, 64, 159)` looks like.

```
.text, #text, p{  
    color:rgb(168, 64, 159)  
}
```

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(168, 64, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 64, 159) }
```

Border

The CSS property to change the border of an element to XYZ 24.2399, 14.4948, 34.3211 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(168, 64, 159) }
```


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

```
.border{ border-color:rgb(168, 64, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 64, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 64, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 64, 159);  
box-shadow:4px 4px 4px 4px rgb(168, 64,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2399, 14.4948, 34.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 64, 159) }
```

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

```
.background{ background-color: rgb(168, 64,  
159) }
```

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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