

Converting Colors

XYZ(24.8607, 14.9032, 38.1261)

Have a look what the booklet for
XYZ(24.8607, 14.9032, 38.1261)
contains.

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Color

**XYZ(24.8596, 14.9019,
38.1253)**

Conversions

Conversions Part 1

Format	Color
Hex	A742A7
RGB	167, 66, 167
RGB Percent	65%, 26%, 65%
CMY	0.3451, 0.7412, 0.3451
CMYK	0.00, 0.60, 0.00, 0.35
HSL	300°, 43%, 46%
HSV	300°, 60%, 65%
XYZ	24.8596, 14.9019, 38.1253
YIQ	107.7130, 27.7750, 52.8230

Conversions

Conversions Part 2

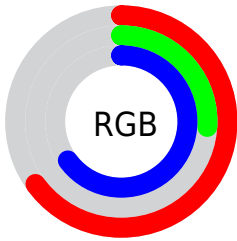
Format	Color
R _{YB}	167, 66, 167
Decimal	10961575
CIE _{Lab}	45.50, 54.67, -34.93
CIE _{LCh}	45, 64.881, 327.425
Yxy	14.9019, 0.3192, 0.1913
Android (android.graphics.Color)	4289151655 (0xFFA742A7)
YUV	107.7130, 29.2285, 51.9947
Hunter-Lab	38.6030, 47.3955, -31.5343

Details

The XYZ color **24.8596, 14.9019, 38.1253** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.0495, 29.1897, 9.8906**, and the grayscale version is **14.0896, 14.8234, 16.1427**.

A 20% lighter version of the original color is **50.7762, 34.6079, 73.8158**, and **9.7194, 4.6596, 16.3067** is the 20% darker color. If you saturate the color by 10%, you get **24.0227, 13.2278, 37.8464**, and if you desaturate by 10%, it is **25.9824, 17.1470, 38.4997**.

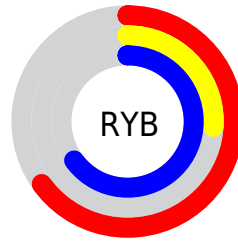
Distribution



Red (65%)

Green (26%)

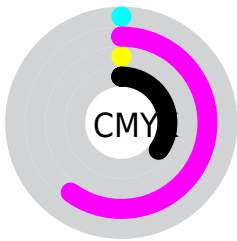
Blue (65%)



Red (65%)

Yellow (26%)

Blue (65%)

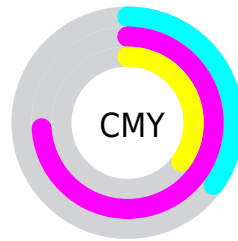


Cyan (0%)

Magenta (60%)

Yellow (0%)

Black (35%)



Cyan (35%)


Magenta (74%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8596, 14.9019, 38.1253 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 24.8596, 14.9019, 38.1253 by changing the saturation by 10% instead.

 24.8596, 14.9019,
38.1253


 24.8596, 14.9019,
38.1253


269.4986,
222.7717, 353.4715


 16.1007, 8.7506,
25.7774


 50.8739, 34.6810,
73.5057


 9.6867, 4.5788,
16.4329


 68.8600, 49.0775,
97.3753


 5.2524, 2.0023,
9.6733


 90.6524, 66.9913,
125.9224

 2.4324, 0.6088,
5.0801

 116.6167, 88.8066,
159.5657

 0.8613, 0.0000,
2.2348

 147.1181,
114.9079, 198.7238

 0.0000, 0.0000,
0.6943

182.5220,

 0.0000, 0.0000,

145.6796, 243.8150

0.0000

223.1937,
181.5061, 295.2581

■ 24.8596, 14.9019,
38.1253

■ 24.8596, 14.9019,
38.1253

■ 24.0227, 13.2278,
37.8464

■ 25.9824, 17.1470,
38.4997

■ 23.4446, 12.0715,
37.6536

■ 27.4120, 20.0062,
38.9763

■ 23.0955, 11.3734,
37.5372

■ 29.1692, 23.5206,
39.5621

■ 22.9116, 11.0056,
37.4759

■ 31.2725, 27.7273,
40.2633

■ 33.7392, 32.6607,
41.0856

■ 36.5853, 38.3527,
42.0343

■ 39.8257, 44.8335,
43.1145

■ 43.4747, 52.1316,
44.3310

■ 47.5459, 60.2740,
45.6881

Harmonies

Analogous

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



19.5142, 14.9019, 59.6216



24.8596, 14.9019, 38.1253



27.3007, 14.9019, 17.6010

Triad

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



24.8596, 14.9019, 38.1253



14.6363, 14.9019, 0.9531



6.7928, 14.9019, 34.1734

Complementary

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



24.8596, 14.9019, 38.1253



17.0495, 29.1897, 9.8906

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.



6.1076, 14.9019, 14.9238



24.8596, 14.9019, 38.1253



9.8934, 14.9019, 1.5474

Square

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



24.8596, 14.9019, 38.1253



20.5335, 14.9019, 1.8439



7.0832, 14.9019, 4.8922



9.2698, 14.9019, 56.4912

Rectangle

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



24.8596, 14.9019, 38.1253



26.5842, 14.9019, 8.8409



7.0832, 14.9019, 4.8922



6.3779, 14.9019, 26.8789

Sweetspot

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



24.8601, 14.9026, 38.1256



56.9006, 51.4456, 72.4061



11.1707, 7.8454, 37.4853



12.4725, 10.9911, 16.1162



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.



24.8601, 14.9026, 38.1256



42.5723, 22.7892, 67.6294



21.0668, 13.3852, 18.1500



7.8419, 7.6666, 9.4848



17.5319, 8.4215, 28.6765



0.4266, 0.2049, 0.6977

Inverse Universe

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



24.8601, 14.9026, 38.1256



42.5723, 22.7892, 67.6294



19.2477, 30.0689, 21.4662



7.8419, 7.6666, 9.4848



17.5319, 8.4215, 28.6765



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 24.8596, 14.9019, 38.1253 looks on a white background.

Color Contrast Check

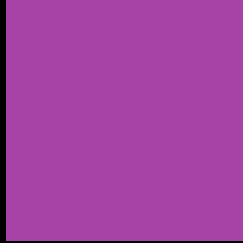
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8596, 14.9019, 38.1253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

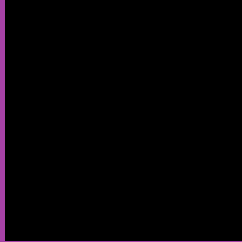
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8596, 14.9019, 38.1253

Background



This preview shows how black text looks on a background with the XYZ color 24.8596, 14.9019, 38.1253.



This preview shows how white text looks on a background with the XYZ color 24.8596, 14.9019,

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

24.8596, 14.9019, 38.1253

Protanopia

17.5184, 15.2848, 58.5269

Deuteranopia

15.5455, 15.2416, 35.3803



Tritanopia

19.4845, 14.8758, 12.2003

Trichromacy



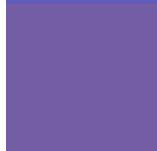
Original Color

24.8596, 14.9019, 38.1253



Protanomaly

17.9651, 13.7413, 50.4207



Deuteranomaly

17.5954, 14.1179, 36.4480



Tritanomaly

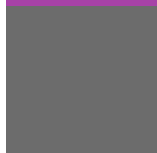
20.8841, 14.5251, 19.4722

Monochromacy



Original Color

24.8596, 14.9019, 38.1253



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

16.9301, 14.0808, 22.5944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8596, 14.9019, 38.1253 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(167, 66, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 66, 167)  
}
```

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(167, 66, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 66, 167) }
```

Border

The CSS property to change the border of an element to XYZ 24.8596, 14.9019, 38.1253 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(167, 66, 167) }
```


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

```
.border{ border-color:rgb(167, 66, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 66, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 66, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 66, 167);  
box-shadow:4px 4px 4px 4px rgb(167, 66,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8596, 14.9019, 38.1253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 66, 167) }
```

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

```
.background{ background-color: rgb(167, 66,  
167) }
```

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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