

Converting Colors

XYZ(24.2757, 15.2012, 33.1784)

Have a look what the booklet for
XYZ(24.2757, 15.2012, 33.1784)
contains.

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Color

**XYZ(24.1903, 15.1223,
33.0964)**

Conversions

Conversions Part 1

Format	Color
Hex	A7479C
RGB	167, 71, 156
RGB Percent	65%, 28%, 61%
CMY	0.3451, 0.7215, 0.3882
CMYK	0.00, 0.57, 0.07, 0.35
HSL	307°, 40%, 47%
HSV	307°, 57%, 65%
XYZ	24.1903, 15.1223, 33.0964
YIQ	109.3940, 29.9310, 46.7870

Conversions

Conversions Part 2

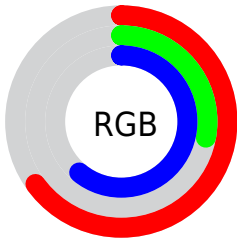
Format	Color
R_{YB}	167, 71, 156
Decimal	10962844
CIE _{Lab}	45.80, 50.48, -27.92
CIE _{LCh}	46, 57.685, 331.053
Yxy	15.1223, 0.3341, 0.2088
Android (android.graphics.Color)	4289152924 (0xFFA7479C)
YUV	109.3940, 22.9768, 50.5205
Hunter-Lab	38.8874, 42.9848, -23.2395

Details

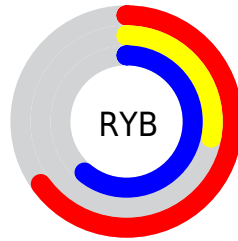
The XYZ color **24.1903, 15.1223, 33.0964** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.9409, 29.5867, 12.7489**, and the grayscale version is **14.5791, 15.3384, 16.7035**.

A 20% lighter version of the original color is **49.7060, 34.9657, 65.7573**, and **9.2893, 4.6613, 13.5068** is the 20% darker color. If you saturate the color by 10%, you get **23.1098, 13.2184, 31.9431**, and if you desaturate by 10%, it is **25.5662, 17.6124, 34.3610**.

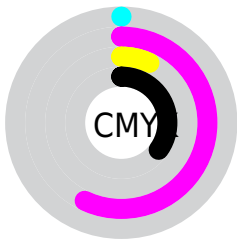
Distribution



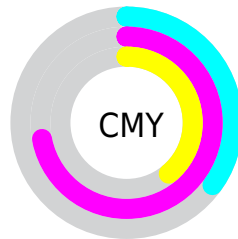
- Red (65%)
- Green (28%)
- Blue (61%)



- Red (65%)
- Yellow (28%)
- Blue (61%)



- Cyan (0%)
- Magenta (57%)
- Yellow (7%)
- Black (35%)





- Cyan (35%)
- Magenta (72%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1903, 15.1223, 33.0964 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 24.1903, 15.1223, 33.0964 by changing the saturation by 10% instead.


 24.1903, 15.1223,
33.0964


 24.1903, 15.1223,
33.0964


266.2038,
224.1053, 330.7292


 15.6003, 8.9053,
21.9286


 49.7930, 35.0676,
65.6437


 9.3308, 4.6794,
13.6066


 67.5364, 49.5646,
87.8604


 5.0164, 2.0604,
7.7120


 89.0617, 67.5905,
114.5970

 2.2918, 0.6422,
3.8261

 114.7343, 89.5295,
146.2722

 0.7904, 0.0000,
1.5304

 144.9194,
115.7661, 183.3044

 0.0000, 0.0000,
0.2404

179.9825,

 0.0000, 0.0000,

146.6846, 226.1123

0.0000

220.2888,
182.6696, 275.1144

■ 24.1903, 15.1223,
33.0964

■ 24.1903, 15.1223,
33.0964

■ 23.1098, 13.2184,
31.9431

■ 25.5662, 17.6124,
34.3610

■ 22.2987, 11.8493,
30.8920

■ 27.2578, 20.7300,
35.7434

■ 21.7288, 10.9588,
29.9338

■ 29.2853, 24.5154,
37.2505

■ 21.3548, 10.4559,
29.0533

■ 31.6668, 29.0046,
38.8883

■ 21.2710, 10.3494,
28.8370

■ 34.4191, 34.2313,
40.6625

■ 37.5580, 40.2270,
42.5785

■ 41.0982, 47.0211,
44.6412

■ 45.0538, 54.6419,
46.8554

■ 49.4382, 63.1158,
49.2255

Harmonies

Analogous

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



19.7478, 15.1223, 51.6428



24.1903, 15.1223, 33.0964



25.8764, 15.1223, 15.9792

Triad

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



24.1903, 15.1223, 33.0964



14.2024, 15.1223, 1.5894



7.7662, 15.1223, 34.4703

Complementary

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



24.1903, 15.1223, 33.0964



17.9409, 29.5867, 12.7489

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.



6.9128, 15.1223, 16.9618



24.1903, 15.1223, 33.0964



10.0748, 15.1223, 2.5386

Square

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



24.1903, 15.1223, 33.0964



19.3829, 15.1223, 2.3999



7.6529, 15.1223, 6.6177



10.3110, 15.1223, 52.7027

Rectangle

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



24.1903, 15.1223, 33.0964



24.9672, 15.1223, 8.6063



7.6529, 15.1223, 6.6177



7.3015, 15.1223, 28.0613

Sweetspot

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



24.1908, 15.1230, 33.0967



56.7929, 52.0967, 69.6993



12.5882, 9.0291, 37.6388



12.5148, 11.2906, 15.4674



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.



24.1908, 15.1230, 33.0967



40.9397, 22.9027, 56.6691



20.9721, 13.8355, 16.1473



7.8043, 7.6516, 9.2868



16.2881, 7.9240, 22.1267



0.4064, 0.1968, 0.5915

Inverse Universe

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



24.1908, 15.1230, 33.0967



40.9397, 22.9027, 56.6691



20.3538, 30.5518, 25.4549



7.8043, 7.6516, 9.2868



16.2881, 7.9240, 22.1267



0.4064, 0.1968, 0.5915

Previews

White Background



This preview shows how the XYZ color 24.1903, 15.1223, 33.0964 looks on a white background.

Color Contrast Check

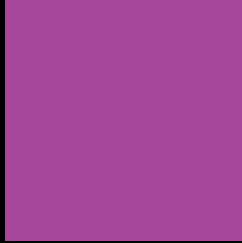
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1903, 15.1223, 33.0964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

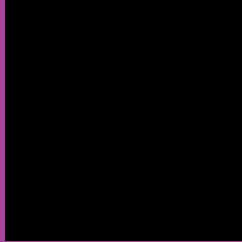
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.1903, 15.1223, 33.0964

Background



This preview shows how black text looks on a background with the XYZ color 24.1903, 15.1223, 33.0964.



This preview shows how white text looks on a background with the XYZ color 24.1903, 15.1223,

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

24.1903, 15.1223, 33.0964

Protanopia

17.0223, 15.5564, 48.5599

Deuteranopia

15.6915, 15.4139, 31.0023



Tritanopia

19.8812, 15.0803, 12.2189

Trichromacy



Original Color

24.1903, 15.1223, 33.0964

Protanomaly

17.9249, 14.2887, 42.3707

Deuteranomaly

17.7857, 14.5890, 31.5843

Tritanomaly

21.1991, 14.9323, 18.2879

Monochromacy



Original Color

24.1903, 15.1223, 33.0964

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

17.0640, 14.4366, 21.6258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1903, 15.1223, 33.0964 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, 71, 156)` looks like.

```
.text, #text, p{  
    color:rgb(167, 71, 156)  
}
```

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, 71, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 71, 156) }
```

Border

The CSS property to change the border of an element to XYZ 24.1903, 15.1223, 33.0964 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, 71, 156) }
```


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

```
.border{ border-color:rgb(167, 71, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 71, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 71, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 71, 156);  
box-shadow:4px 4px 4px 4px rgb(167, 71,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1903, 15.1223, 33.0964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 71, 156) }
```

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

```
.background{ background-color: rgb(167, 71,  
156) }
```

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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