

Converting Colors

XYZ(24.1729, 12.6336, 52.7957)

Have a look what the booklet for
XYZ(24.1729, 12.6336, 52.7957)
contains.

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Color

**XYZ(24.2686, 12.7101,
52.8039)**

Conversions

Conversions Part 1

Format	Color
Hex	9B2CC3
RGB	155, 44, 195
RGB Percent	61%, 17%, 76%
CMY	0.3921, 0.8274, 0.2353
CMYK	0.21, 0.77, 0.00, 0.24
HSL	284°, 63%, 47%
HSV	284°, 77%, 76%
XYZ	24.2686, 12.7101, 52.8039
YIQ	94.4030, 17.6850, 70.4930

Conversions

Conversions Part 2

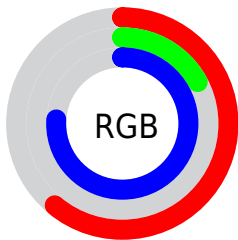
Format	Color
R_{YB}	155, 44, 195
Decimal	10169539
CIE _{Lab}	42.32, 65.81, -56.58
CIE _{LCh}	42, 86.786, 319.316
Yxy	12.7101, 0.2703, 0.1416
Android (android.graphics.Color)	4288359619 (0xFF9B2CC3)
YUV	94.4030, 49.5943, 53.1436
Hunter-Lab	35.6512, 59.1194, -62.8600

Details

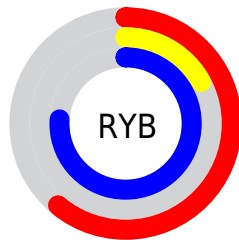
The XYZ color **24.2686, 12.7101, 52.8039** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **23.6262, 41.0971, 9.0706**, and the grayscale version is **10.6187, 11.1717, 12.1659**.

A 20% lighter version of the original color is **49.7626, 30.6772, 95.3940**, and **9.7706, 4.4901, 25.1627** is the 20% darker color. If you saturate the color by 10%, you get **22.7351, 11.0829, 52.5709**, and if you desaturate by 10%, it is **26.1867, 15.0421, 53.1532**.

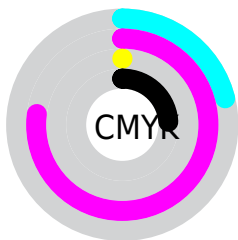
Distribution



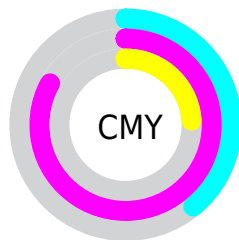
- Red (61%)
- Green (17%)
- Blue (76%)



- Red (61%)
- Yellow (17%)
- Blue (76%)



- Cyan (21%)
- Magenta (77%)
- Yellow (0%)
- Black (24%)





- Cyan (39%)
- Magenta (83%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2686, 12.7101, 52.8039 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 24.2686, 12.7101, 52.8039 by changing the saturation by 10% instead.


 24.2686, 12.7101,
52.8039


 24.2686, 12.7101,
52.8039


266.5910,
209.0513, 414.5772


 15.6588, 7.2292,
37.2596


 49.9197, 30.7820,
95.7544


 9.3723, 3.6059,
25.1112


 67.6916, 44.1418,
123.9976


 5.0439, 1.4556,
15.9401


 89.2484, 60.8966,
157.3109

 2.3081, 0.2572,
9.3279

 114.9552, 81.4310,
196.1128

 0.7988, 0.0000,
4.8560

 145.1775,
106.1293, 240.8219

 0.0000, 0.0000,
2.1057

 180.2807,

 0.0000, 0.0000,

135.3758, 291.8566

0.6192

220.6301,
169.5550, 349.6355

■ 0.0000, 0.0000,
0.0000

■ 24.2686, 12.7101,
52.8039

■ 24.2686, 12.7101,
52.8039

■ 22.7351, 11.0829,
52.5709

■ 26.1867, 15.0421,
53.1532

■ 21.5239, 10.0387,
52.4332

■ 28.5304, 18.1624,
53.6319

■ 21.2380, 9.8107,
52.4042

■ 31.3370, 22.1440,
54.2525

■ 34.6390, 27.0513,
55.0257

■ 38.4659, 32.9421,
55.9610

■ 42.8445, 39.8699,
57.0674

■ 47.7998, 47.8839,
58.3531

■ 53.3555, 57.0302,
59.8257

■ 59.5334, 67.3525,
61.4925

Harmonies

Analogous

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



16.7096, 12.7101, 82.6724



24.2686, 12.7101, 52.8039



29.0175, 12.7101, 21.6019

Triad

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



24.2686, 12.7101, 52.8039



14.5518, 12.7101, 0.0000



3.7023, 12.7101, 29.3968

Complementary

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



24.2686, 12.7101, 52.8039



23.6262, 41.0971, 9.0706

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.



3.4852, 12.7101, 8.2023



24.2686, 12.7101, 52.8039



8.3967, 12.7101, 0.0000

Square

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



24.2686, 12.7101, 52.8039



22.2098, 12.7101, 0.5006



4.8600, 12.7101, 1.1580



5.6223, 12.7101, 62.6733

Rectangle

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



24.2686, 12.7101, 52.8039



29.1106, 12.7101, 8.8115



4.8600, 12.7101, 1.1580



3.4626, 12.7101, 20.4875

Sweetspot

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



24.2692, 12.7106, 52.8042



71.9682, 63.8291, 100.9969



14.0806, 10.8583, 52.9837



15.1504, 13.0196, 21.9645



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.2692, 12.7106, 52.8042



39.1529, 18.4593, 93.9692



29.7315, 15.9338, 34.6598



10.2286, 10.1090, 12.6970



13.8863, 6.4191, 34.0637



0.6621, 0.3094, 1.4747

Inverse Universe

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



25.0069, 14.0439, 9.7807



41.9620, 21.7788, 9.5550



21.9740, 40.1339, 14.0308



10.1803, 10.1207, 11.0401



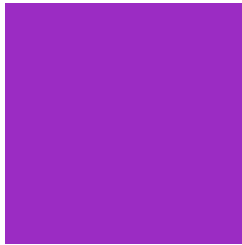
15.0554, 7.7119, 2.9380



0.6801, 0.3451, 0.2829

Previews

White Background



This preview shows how the XYZ color 24.2686, 12.7101, 52.8039 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 24.2686, 12.7101, 52.8039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

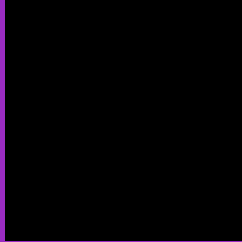
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2686, 12.7101, 52.8039

Background



This preview shows how black text looks on a background with the XYZ color 24.2686, 12.7101, 52.8039.



This preview shows how white text looks on a background with the XYZ color 24.2686, 12.7101,

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

24.2686, 12.7101, 52.8039

Protanopia

15.2941, 12.9572, 59.4525

Deuteranopia

13.0919, 12.8389, 45.5042



Tritanopia

15.9520, 12.8278, 11.5328

Trichromacy



Original Color

24.2686, 12.7101, 52.8039



Protanomaly

14.8979, 10.5066, 56.5011



Deuteranomaly

13.4362, 10.2708, 47.7287



Tritanomaly

17.8297, 11.9850, 22.1425

Monochromacy



Original Color

24.2686, 12.7101, 52.8039



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

13.8836, 10.5206, 22.7717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2686, 12.7101, 52.8039 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(155, 44, 195)` looks like.

```
.text, #text, p{  
    color:rgb(155, 44, 195)  
}
```

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(155, 44, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 44, 195) }
```

Border

The CSS property to change the border of an element to XYZ 24.2686, 12.7101, 52.8039 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(155, 44, 195) }
```


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

```
.border{ border-color:rgb(155, 44, 195) }
```

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

Here you see how a box with a 4 pixel rgb(155, 44, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 44, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 44, 195);  
box-shadow:4px 4px 4px 4px rgb(155, 44,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2686, 12.7101, 52.8039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 44, 195) }
```

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

```
.background{ background-color: rgb(155, 44,  
195) }
```

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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