

Converting Colors

XYZ(24.2810, 12.5520, 38.9546)

Have a look what the booklet for
XYZ(24.2810, 12.5520, 38.9546)
contains.

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Color

**XYZ(24.4053, 12.5924,
39.1745)**

Conversions

Conversions Part 1

Format	Color
Hex	AA22AA
RGB	170, 34, 170
RGB Percent	67%, 13%, 67%
CMY	0.3333, 0.8666, 0.3333
CMYK	0.00, 0.80, 0.00, 0.33
HSL	300°, 67%, 40%
HSV	300°, 80%, 67%
XYZ	24.4053, 12.5924, 39.1745
YIQ	90.1680, 37.4000, 71.1280

Conversions

Conversions Part 2

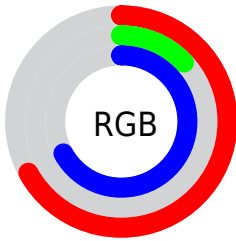
Format	Color
R_{YB}	170, 34, 170
Decimal	11149994
CIE _{Lab}	42.14, 67.18, -42.00
CIE _{LCh}	42, 79.233, 327.988
Yxy	12.5924, 0.3204, 0.1653
Android (android.graphics.Color)	4289340074 (0xFFAA22AA)
YUV	90.1680, 39.3572, 70.0127
Hunter-Lab	35.4858, 60.6631, -40.6131

Details

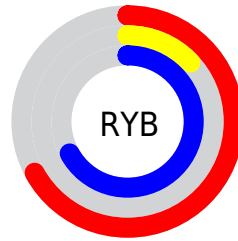
The XYZ color **24.4053, 12.5924, 39.1745** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.3237, 29.2056, 6.3436**, and the grayscale version is **9.6655, 10.1689, 11.0739**.

A 20% lighter version of the original color is **50.3153, 30.6984, 75.2250**, and **10.0209, 4.7951, 17.2270** is the 20% darker color. If you saturate the color by 10%, you get **24.0341, 11.8496, 39.0508**, and if you desaturate by 10%, it is **25.0177, 13.8168, 39.3788**.

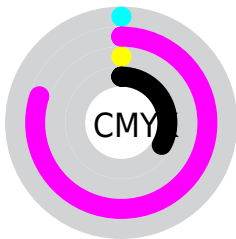
Distribution



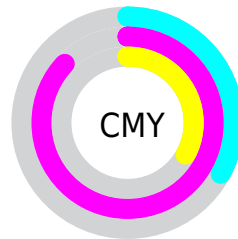
- Red (67%)
- Green (13%)
- Blue (67%)



- Red (67%)
- Yellow (13%)
- Blue (67%)



- Cyan (0%)
- Magenta (80%)
- Yellow (0%)
- Black (33%)




- Cyan (33%)
- Magenta (87%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4053, 12.5924, 39.1745 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 24.4053, 12.5924, 39.1745 by changing the saturation by 10% instead.


 24.4053, 12.5924,
39.1745


 24.4053, 12.5924,
39.1745


267.2658,
208.2886, 358.0799

 15.7609, 7.1485,
26.5866


 50.1407, 30.5695,
75.1281

 9.4449, 3.5551,
17.0333


 67.9623, 43.8716,
99.3309


 5.0919, 1.4280,
10.0960


 89.5738, 60.5617,
128.2424

 2.3366, 0.2372,
5.3562

 115.3405, 81.0244,
162.2812

 0.8133, 0.0000,
2.3954

 145.6276,
105.6441, 201.8658

 0.0000, 0.0000,
0.7839

 180.8007,

 0.0000, 0.0000,

134.8051, 247.4148

0.0000

221.2249,
168.8918, 299.3466

■ 24.4053, 12.5924,
39.1745

■ 24.4053, 12.5924,
39.1745

■ 24.0341, 11.8496,
39.0508

■ 25.0177, 13.8168,
39.3788

■ 23.8336, 11.4486,
38.9839

■ 25.9012, 15.5837,
39.6733

■ 23.8335, 11.4485,
38.9839

■ 27.0827, 17.9468,
40.0672

■ 28.5858, 20.9529,
40.5683

■ 30.4314, 24.6442,
41.1835

■ 32.6390, 29.0593,
41.9194

■ 35.2263, 34.2338,
42.7819

■ 38.2100, 40.2013,
43.7765

■ 41.6059, 46.9930,
44.9085

Harmonies

Analogous

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



18.1253, 12.5924, 67.1186



24.4053, 12.5924, 39.1745



27.2756, 12.5924, 14.8847

Triad

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



24.4053, 12.5924, 39.1745



12.3718, 12.5924, 0.0000



4.4826, 12.5924, 35.3262

Complementary

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



24.4053, 12.5924, 39.1745



15.3237, 29.2056, 6.3436

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.



3.8308, 12.5924, 12.6007



24.4053, 12.5924, 39.1745



7.3928, 12.5924, 0.1883

Square

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



24.4053, 12.5924, 39.1745



19.0512, 12.5924, 0.3828



4.6929, 12.5924, 2.6892



6.9032, 12.5924, 63.8806

Rectangle

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



24.4053, 12.5924, 39.1745



26.3378, 12.5924, 5.9224



4.6929, 12.5924, 2.6892



4.0929, 12.5924, 26.4005

Sweetspot

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



24.4058, 12.5930, 39.1748



57.3577, 49.0013, 75.4368



8.4880, 4.3871, 38.4302



12.4873, 10.3201, 16.7215



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.4058, 12.5930, 39.1748



43.3391, 20.9644, 70.7633



19.5486, 10.6501, 13.5969



7.8419, 7.6666, 9.4848



17.5320, 8.4215, 28.6766



0.4266, 0.2049, 0.6977

Inverse Universe

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



24.4058, 12.5930, 39.1748



43.3391, 20.9644, 70.7633



17.4334, 30.0495, 17.4529



7.8419, 7.6666, 9.4848



17.5320, 8.4215, 28.6766



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 24.4053, 12.5924, 39.1745 looks on a white background.

Color Contrast Check

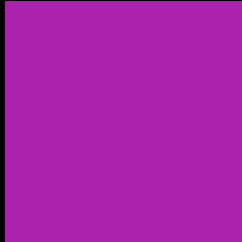
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4053, 12.5924, 39.1745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

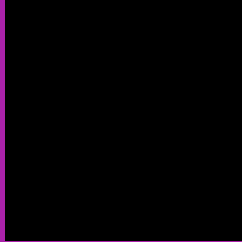
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.4053, 12.5924, 39.1745

Background



This preview shows how black text looks on a background with the XYZ color 24.4053, 12.5924, 39.1745.



This preview shows how white text looks on a background with the XYZ color 24.4053, 12.5924,

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

24.4053, 12.5924, 39.1745

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

13.3335, 13.0388, 35.5322



Tritanopia

18.1541, 12.6441, 8.5049

Trichromacy



Original Color

24.4053, 12.5924, 39.1745



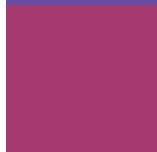
Protanomaly

14.0610, 9.7719, 51.5972



Deuteranomaly

15.0636, 10.9311, 36.4379



Tritanomaly

19.6921, 12.0663, 16.3301

Monochromacy



Original Color

24.4053, 12.5924, 39.1745



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

13.1277, 9.6342, 18.6204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4053, 12.5924, 39.1745 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(170, 34, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 34, 170)  
}
```

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(170, 34, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 34, 170) }
```

Border

The CSS property to change the border of an element to XYZ 24.4053, 12.5924, 39.1745 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(170, 34, 170) }
```


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

```
.border{ border-color:rgb(170, 34, 170) }
```

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

Here you see how a box with a 4 pixel rgb(170, 34, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 34, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 34, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 34,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4053, 12.5924, 39.1745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 34, 170) }
```

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

```
.background{ background-color: rgb(170, 34,  
170) }
```

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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