

Converting Colors

XYZ(24.2314, 12.8366, 54.0239)

Have a look what the booklet for
XYZ(24.2314, 12.8366, 54.0239)
contains.

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Color

**XYZ(24.2314, 12.8366,
54.0239)**

Conversions

Conversions Part 1

Format	Color
Hex	992FC5
RGB	153, 47, 197
RGB Percent	60%, 18%, 77%
CMY	0.4000, 0.8157, 0.2274
CMYK	0.22, 0.76, 0.00, 0.23
HSL	282°, 61%, 48%
HSV	282°, 76%, 77%
XYZ	24.2314, 12.8366, 54.0239
YIQ	95.7940, 15.0260, 69.1220

Conversions

Conversions Part 2

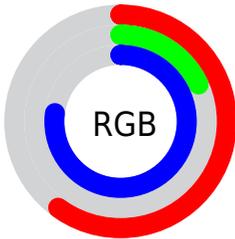
Format	Color
R _{YB}	153, 47, 197
Decimal	10039237
CIE _{Lab}	42.52, 64.82, -57.44
CIE _{LCh}	43, 86.609, 318.452
Yxy	12.8366, 0.2660, 0.1409
Android (android.graphics.Color)	4288229317 (0xFF992FC5)
YUV	95.7940, 49.8946, 50.1697
Hunter-Lab	35.8282, 58.0241, -64.3213

Details

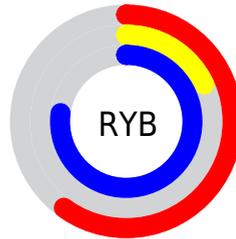
The XYZ color **24.2314, 12.8366, 54.0239** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **24.7942, 42.3622, 9.5597**, and the grayscale version is **10.9498, 11.5200, 12.5453**.

A 20% lighter version of the original color is **49.8643, 30.9695, 97.9573**, and **9.7064, 4.4398, 25.9366** is the 20% darker color. If you saturate the color by 10%, you get **22.5497, 11.0528, 53.7685**, and if you desaturate by 10%, it is **26.3223, 15.3590, 54.4008**.

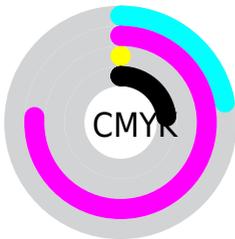
Distribution



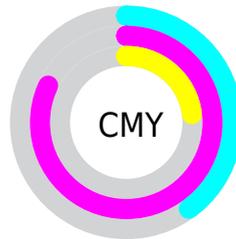
- Red (60%)
- Green (18%)
- Blue (77%)



- Red (60%)
- Yellow (18%)
- Blue (77%)



- Cyan (22%)
- Magenta (76%)
- Yellow (0%)
- Black (23%)



- Cyan (40%)
- Magenta (82%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2314, 12.8366, 54.0239 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 24.2314, 12.8366, 54.0239 by changing the saturation by 10% instead.

 24.2314, 12.8366,
54.0239

 24.2314, 12.8366,
54.0239

266.4071,
209.8678, 419.3783

 15.6310, 7.3161,
38.2275

 49.8595, 31.0099,
97.5661

 9.3526, 3.6606,
25.8561

 67.6179, 44.4315,
126.1489

 5.0308, 1.4856,
16.4912

 89.1597, 61.2557,
159.8310

 2.3003, 0.2785,
9.7143

 114.8503, 81.8667,
199.0308

 0.7948, 0.0000,
5.1068

 145.0549,
106.6491, 244.1669

 0.0000, 0.0000,
2.2502

 180.1391,

 0.0000, 0.0000,

135.9871, 295.6578

0.7031

220.4680,
170.2652, 353.9221

■ 0.0000, 0.0000,
0.0000

■ 24.2314, 12.8366,
54.0239

■ 24.2314, 12.8366,
54.0239

■ 22.5497, 11.0528,
53.7685

■ 26.3223, 15.3590,
54.4008

■ 21.2209, 9.8981,
53.6156

■ 28.8638, 18.7037,
54.9124

■ 20.7613, 9.5386,
53.5705

■ 31.8936, 22.9446,
55.5713

■ 35.4448, 28.1467,
56.3883

■ 39.5474, 34.3689,
57.3730

■ 44.2289, 41.6653,
58.5347

■ 49.5149, 50.0862,
59.8814

■ 55.4295, 59.6787,
61.4212

■ 61.9952, 70.4869,
63.1614

Harmonies

Analogous

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



16.6268, 12.8366, 83.4741



24.2314, 12.8366, 54.0239



29.1223, 12.8366, 22.4923

Triad

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



24.2314, 12.8366, 54.0239



14.8939, 12.8366, 0.0000



3.7402, 12.8366, 28.7454

Complementary

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



24.2314, 12.8366, 54.0239



24.7942, 42.3622, 9.5597

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.



3.5649, 12.8366, 7.9383



24.2314, 12.8366, 54.0239



8.6395, 12.8366, 0.0000

Square

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



24.2314, 12.8366, 54.0239



22.5796, 12.8366, 0.5933



5.0047, 12.8366, 1.1162



5.6191, 12.8366, 61.9293

Rectangle

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



24.2314, 12.8366, 54.0239



29.3335, 12.8366, 9.3259



5.0047, 12.8366, 1.1162



3.5132, 12.8366, 19.9629

Sweetspot

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



24.2320, 12.8371, 54.0242



73.0605, 64.9998, 103.3033



15.0780, 12.2905, 54.4012



15.0132, 12.9489, 21.9581



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.



24.2320, 12.8371, 54.0242



38.8324, 18.3871, 96.1101



31.0179, 16.6938, 38.1472



10.7684, 10.6544, 13.4064



13.7423, 6.3187, 35.2397



0.7204, 0.3351, 1.6719

Inverse Universe

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



25.9312, 14.6591, 11.3609



43.4345, 22.6264, 11.9796



22.4785, 41.0730, 13.7650



10.7597, 10.6873, 11.7180



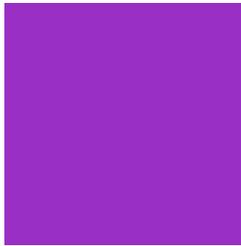
15.6761, 8.0200, 3.5042



0.7745, 0.3926, 0.3358

Previews

White Background



This preview shows how the XYZ color 24.2314, 12.8366, 54.0239 looks on a white background.

Color Contrast Check

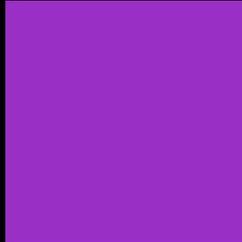
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2314, 12.8366, 54.0239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

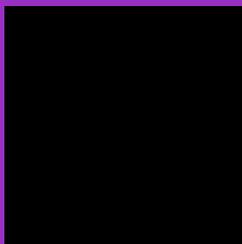
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2314, 12.8366, 54.0239

Background



This preview shows how black text looks on a background with the XYZ color 24.2314, 12.8366, 54.0239.



This preview shows how white text looks on a background with the XYZ color 24.2314, 12.8366,

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

24.2314, 12.8366, 54.0239

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

13.1907, 13.0367, 45.5372



Tritanopia

15.6201, 12.7643, 11.9964

Trichromacy



Original Color

24.2314, 12.8366, 54.0239



Protanomaly

15.2064, 10.7445, 57.7723



Deuteranomaly

13.6938, 10.6151, 48.3409



Tritanomaly

17.7418, 12.1131, 22.8757

Monochromacy



Original Color

24.2314, 12.8366, 54.0239



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

14.2941, 10.9241, 23.5455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2314, 12.8366, 54.0239 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(153, 47, 197)` looks like.

```
.text, #text, p{  
    color:rgb(153, 47, 197)  
}
```

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(153, 47, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 47, 197) }
```

Border

The CSS property to change the border of an element to XYZ 24.2314, 12.8366, 54.0239 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(153, 47, 197) }
```

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

```
.border{ border-color:rgb(153, 47, 197) }
```

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

Here you see how a box with a 4 pixel rgb(153, 47, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 47, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 47, 197);  
box-shadow:4px 4px 4px 4px rgb(153, 47,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2314, 12.8366, 54.0239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 47, 197) }
```

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

```
.background{ background-color: rgb(153, 47,  
197) }
```

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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