

Converting Colors

XYZ(24.9193, 12.1487, 47.4864)

Have a look what the booklet for
XYZ(24.9193, 12.1487, 47.4864)
contains.

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Color

**XYZ(25.0156, 12.1933,
47.4894)**

Conversions

Conversions Part 1

Format	Color
Hex	A712BA
RGB	167, 18, 186
RGB Percent	65%, 7%, 73%
CMY	0.3451, 0.9294, 0.2706
CMYK	0.10, 0.90, 0.00, 0.27
HSL	293°, 82%, 40%
HSV	293°, 90%, 73%
XYZ	25.0156, 12.1933, 47.4894
YIQ	81.7030, 34.8760, 83.8360

Conversions

Conversions Part 2

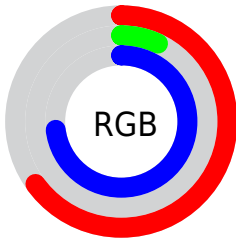
Format	Color
R_{YB}	167, 18, 186
Decimal	10949306
CIE _{Lab}	41.52, 72.49, -52.50
CIE _{LCh}	42, 89.501, 324.087
Yxy	12.1933, 0.2953, 0.1440
Android (android.graphics.Color)	4289139386 (0xFFA712BA)
YUV	81.7030, 51.4184, 74.8055
Hunter-Lab	34.9189, 66.7678, -56.1906

Details

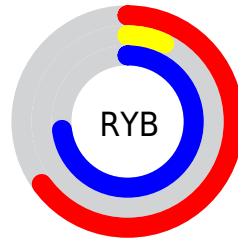
The XYZ color **25.0156, 12.1933, 47.4894** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **18.4315, 35.5551, 6.4641**, and the grayscale version is **7.8580, 8.2672, 9.0030**.

A 20% lighter version of the original color is **51.1141, 29.7846, 87.8490**, and **10.5953, 4.9809, 22.2328** is the 20% darker color. If you saturate the color by 10%, you get **24.3727, 11.5407, 47.3975**, and if you desaturate by 10%, it is **25.8973, 13.2909, 47.6550**.

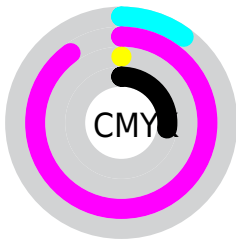
Distribution



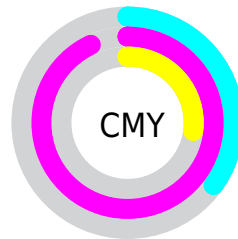
- Red (65%)
- Green (7%)
- Blue (73%)



- Red (65%)
- Yellow (7%)
- Blue (73%)



- Cyan (10%)
- Magenta (90%)
- Yellow (0%)
- Black (27%)





- Cyan (35%)
- Magenta (93%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0156, 12.1933, 47.4894 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 25.0156, 12.1933, 47.4894 by changing the saturation by 10% instead.


 25.0156, 12.1933,
47.4894


 25.0156, 12.1933,
47.4894


270.2618,
205.6808, 393.2148


 16.2175, 6.8755,
33.0656


 51.1252, 29.8467,
87.8013


 9.7700, 3.3843,
21.9052


 69.1675, 42.9510,
114.5265


 5.3078, 1.3355,
13.5896


 91.0218, 59.4196,
146.1892

 2.4656, 0.1685,
7.7003

 117.0535, 79.6369,
183.2080

 0.8779, 0.0000,
3.8188

 147.6280,
103.9873, 226.0014

 0.0000, 0.0000,
1.5265

 183.1107,

 0.0000, 0.0000,

132.8551, 274.9880

0.2375

223.8668,
166.6248, 330.5863

■ 0.0000, 0.0000,
0.0000

■ 25.0156, 12.1933,
47.4894

■ 25.0156, 12.1933,
47.4894

■ 24.3727, 11.5407,
47.3975

■ 25.8973, 13.2909,
47.6550

■ 27.0793, 14.9791,
47.9185

■ 28.6019, 17.3375,
48.2935

■ 30.4985, 20.4331,
48.7910

■ 32.7986, 24.3247,
49.4210

■ 35.5287, 29.0653,
50.1921

■ 38.7129, 34.7032,
51.1125

■ 42.3736, 41.2829,
52.1896

■ 46.5317, 48.8463,
53.4303

Harmonies

Analogous

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



17.5032, 12.1933, 80.5503



25.0156, 12.1933, 47.4894



29.0922, 12.1933, 17.3345

Triad

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



25.0156, 12.1933, 47.4894



12.9311, 12.1933, 0.0000



3.4927, 12.1933, 34.0120

Complementary

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



25.0156, 12.1933, 47.4894



18.4315, 35.5551, 6.4641

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.



3.0515, 12.1933, 9.9070



25.0156, 12.1933, 47.4894



7.1848, 12.1933, 0.0000

Square

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



25.0156, 12.1933, 47.4894



20.6198, 12.1933, 0.0000



4.1067, 12.1933, 1.3842



5.6764, 12.1933, 68.8492

Rectangle

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



25.0156, 12.1933, 47.4894



28.5222, 12.1933, 6.3089



4.1067, 12.1933, 1.3842



3.1809, 12.1933, 24.0871

Sweetspot

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



25.0161, 12.1938, 47.4897



65.9680, 55.4451, 91.4265



9.7933, 5.0353, 46.9103



14.1159, 11.4866, 20.0157



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



25.0161, 12.1938, 47.4897



44.0458, 20.8507, 85.9045



23.9546, 12.2675, 19.3894



9.2782, 9.1098, 11.3488



16.4370, 7.7848, 31.8894



0.6081, 0.2892, 1.1255

Inverse Universe

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



20.8003, 11.0057, 2.7791



36.9063, 19.0025, 2.7838



19.3471, 35.8620, 13.9664



9.0448, 9.0283, 9.5834



13.7292, 7.0655, 1.1951



0.4976, 0.2545, 0.1140

Previews

White Background



This preview shows how the XYZ color 25.0156, 12.1933, 47.4894 looks on a white background.

Color Contrast Check

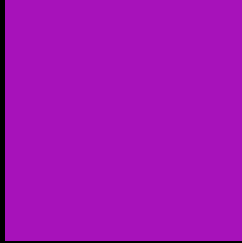
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0156, 12.1933, 47.4894 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 25.0156, 12.1933, 47.4894

Background



This preview shows how black text looks on a background with the XYZ color 25.0156, 12.1933, 47.4894.



This preview shows how white text looks on a background with the XYZ color 25.0156, 12.1933,

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

25.0156, 12.1933, 47.4894

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

13.0187, 12.7258, 42.3276



Tritanopia

17.1865, 12.3321, 8.8716

Trichromacy



Original Color

25.0156, 12.1933, 47.4894



Protanomaly

14.0696, 9.1576, 53.8494



Deuteranomaly

13.8696, 9.5550, 43.7611



Tritanomaly

18.8873, 11.3173, 18.3285

Monochromacy



Original Color

25.0156, 12.1933, 47.4894



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

11.7642, 7.9947, 18.6924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0156, 12.1933, 47.4894 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, 18, 186)` looks like.

```
.text, #text, p{  
    color:rgb(167, 18, 186)  
}
```

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, 18, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 18, 186) }
```

Border

The CSS property to change the border of an element to XYZ 25.0156, 12.1933, 47.4894 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, 18, 186) }
```


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

```
.border{ border-color:rgb(167, 18, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 18, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 18, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 18, 186);  
box-shadow:4px 4px 4px 4px rgb(167, 18,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0156, 12.1933, 47.4894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 18, 186) }
```

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

```
.background{ background-color: rgb(167, 18,  
186) }
```

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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