

Converting Colors

XYZ(24.8272, 11.7732, 47.5019)

Have a look what the booklet for
XYZ(24.8272, 11.7732, 47.5019)
contains.

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Color

**XYZ(24.7993, 11.7607,
47.4173)**

Conversions

Conversions Part 1

Format	Color
Hex	A700BA
RGB	167, 0, 186
RGB Percent	65%, 0%, 73%
CMY	0.3451, 0.9999, 0.2706
CMYK	0.10, 1.00, 0.00, 0.27
HSL	294°, 100%, 36%
HSV	294°, 100%, 73%
XYZ	24.7993, 11.7607, 47.4173
YIQ	71.1370, 39.8260, 93.2500

Conversions

Conversions Part 2

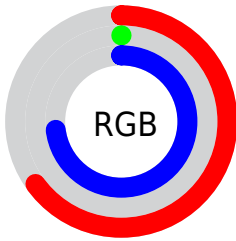
Format	Color
RYB	167, 0, 186
Decimal	10944698
CIELab	40.83, 74.53, -53.61
CIELCh	41, 91.806, 324.273
Yxy	11.7607, 0.2953, 0.1400
Android (android.graphics.Color)	4289134778 (0xFFA700BA)
YUV	71.1370, 56.6275, 84.0719
Hunter-Lab	34.2939, 69.0663, -57.9731

Details

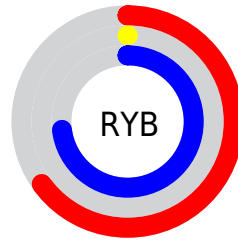
The XYZ color **24.7993, 11.7607, 47.4173** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **17.8279, 35.2565, 5.8660**, and the grayscale version is **5.9167, 6.2248, 6.7788**.

A 20% lighter version of the original color is **50.7120, 28.9805, 87.7150**, and **10.5953, 4.9809, 22.2328** is the 20% darker color. If you saturate the color by 10%, you get **24.7993, 11.7607, 47.4175**, and if you desaturate by 10%, it is **25.4305, 12.4222, 47.5119**.

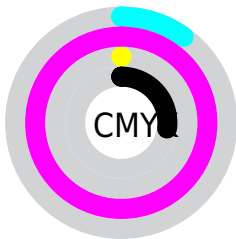
Distribution



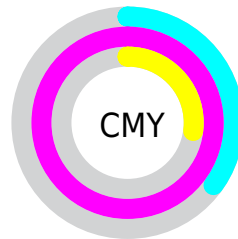
- Red (65%)
- Green (0%)
- Blue (73%)



- Red (65%)
- Yellow (0%)
- Blue (73%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)





- Cyan (35%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7993, 11.7607, 47.4173 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 24.7993, 11.7607, 47.4173 by changing the saturation by 10% instead.


 24.7993, 11.7607,
47.4173


 24.7993, 11.7607,
47.4173


269.2031,
202.8146, 392.9196


 16.0555, 6.5809,
33.0090


 50.7767, 29.0585,
87.6927

 9.6545, 3.2014,
21.8621


 68.7410, 41.9454,
114.3968


 5.2310, 1.2378,
13.5583


 90.5095, 58.1700,
146.0366

 2.4196, 0.0922,
7.6789

 116.4477, 78.1169,
183.0306

 0.8549, 0.0000,
3.8053

 146.9207,
102.1704, 225.7974

 0.0000, 0.0000,
1.5192

 182.2941,

 0.0000, 0.0000,

130.7149, 274.7555

0.2322

222.9331,
164.1349, 330.3234

■ 0.0000, 0.0000,
0.0000

■ 24.7993, 11.7607,
47.4173

■ 24.7993, 11.7607,
47.4173

■ 24.7993, 11.7607,
47.4175

■ 25.4305, 12.4222,
47.5119

■ 26.2827, 13.5175,
47.6784

■ 27.4359, 15.2060,
47.9435

■ 28.9296, 17.5665,
48.3204

■ 30.7969, 20.6655,
48.8202

■ 33.0673, 24.5617,
49.4525

■ 35.7672, 29.3077,
50.2263

■ 38.9205, 34.9518,
51.1495

■ 42.5497, 41.5384,
52.2296

Harmonies

Analogous

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



17.1813, 11.7607, 81.6172



24.7993, 11.7607, 47.4173



28.9255, 11.7607, 16.7435

Triad

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



24.7993, 11.7607, 47.4173



12.4798, 11.7607, 0.0000



3.1899, 11.7607, 34.0314

Complementary

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



24.7993, 11.7607, 47.4173



17.8279, 35.2565, 5.8660

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.



2.7567, 11.7607, 9.5390



24.7993, 11.7607, 47.4173



6.7670, 11.7607, 0.0000

Square

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



24.7993, 11.7607, 47.4173



20.2398, 11.7607, 0.0000



3.7649, 11.7607, 1.1897



5.3284, 11.7607, 69.8822

Rectangle

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



24.7993, 11.7607, 47.4173



28.3169, 11.7607, 5.8237



3.7649, 11.7607, 1.1897



2.8866, 11.7607, 23.8864

Sweetspot

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



24.7998, 11.7612, 47.4175



64.5633, 52.6488, 90.9608



9.1446, 4.1083, 46.7655



13.7435, 10.7562, 19.8944



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.



24.7998, 11.7612, 47.4175



44.8298, 21.2549, 85.9412



23.3276, 11.6705, 17.1544



9.2881, 9.1149, 11.3492



16.7208, 7.9311, 31.9026



0.6157, 0.2931, 1.1259

Inverse Universe

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



20.3676, 10.4866, 1.5674



36.8766, 18.9906, 2.6274



18.7065, 35.5769, 11.8947



9.0409, 9.0267, 9.5628



13.7161, 7.0602, 1.1257



0.4960, 0.2539, 0.1051

Previews

White Background



This preview shows how the XYZ color 24.7993, 11.7607, 47.4173 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



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 24.7993, 11.7607, 47.4173

Background



This preview shows how black text looks on a background with the XYZ color 24.7993, 11.7607, 47.4173.



This preview shows how white text looks on a background with the XYZ color 24.7993, 11.7607,

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

24.7993, 11.7607, 47.4173

Protanopia

14.6348, 12.4015, 56.8807

Deuteranopia

12.7739, 12.4564, 42.2885



Tritanopia

17.0841, 12.1852, 8.6593

Trichromacy



Original Color

24.7993, 11.7607, 47.4173



Protanomaly

13.5041, 8.2093, 53.0974



Deuteranomaly

13.1945, 8.5837, 43.6092



Tritanomaly

18.4860, 10.6093, 17.9031

Monochromacy



Original Color

24.7993, 11.7607, 47.4173



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.8629, 6.1332, 16.2868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7993, 11.7607, 47.4173 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, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(167, 0, 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, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 24.7993, 11.7607, 47.4173 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, 0, 186) }
```


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

```
.border{ border-color:rgb(167, 0, 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, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(167, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7993, 11.7607, 47.4173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 186) }
```

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

```
.background{ background-color: rgb(167, 0,  
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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