

Converting Colors

XYZ(24.4916, 11.9309, 32.5474)

Have a look what the booklet for
XYZ(24.4916, 11.9309, 32.5474)
contains.

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Color

**XYZ(24.5912, 11.9840,
32.4695)**

Conversions

Conversions Part 1

Format	Color
Hex	B3009C
RGB	179, 0, 156
RGB Percent	70%, 0%, 61%
CMY	0.2980, 0.9999, 0.3882
CMYK	0.00, 1.00, 0.13, 0.30
HSL	308°, 100%, 35%
HSV	308°, 100%, 70%
XYZ	24.5912, 11.9840, 32.4695
YIQ	71.3050, 56.6080, 86.4640

Conversions

Conversions Part 2

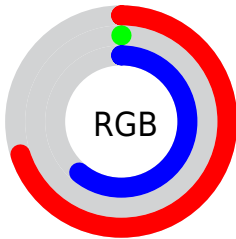
Format	Color
RYB	179, 0, 156
Decimal	11731100
CIELab	41.19, 72.09, -35.01
CIELCh	41, 80.145, 334.095
Yxy	11.9840, 0.3562, 0.1736
Android (android.graphics.Color)	4289921180 (0xFFB3009C)
YUV	71.3050, 41.7546, 94.4485
Hunter-Lab	34.6179, 66.2180, -31.3779

Details

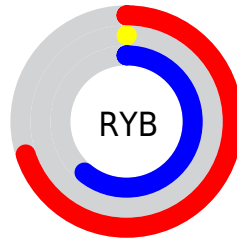
The XYZ color **24.5912, 11.9840, 32.4695** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.2755, 32.3027, 6.1890**, and the grayscale version is **5.9677, 6.2785, 6.8372**.

A 20% lighter version of the original color is **50.6030, 29.5509, 64.6648**, and **10.3838, 5.0644, 13.5269** is the 20% darker color. If you saturate the color by 10%, you get **24.5912, 11.9840, 32.4684**, and if you desaturate by 10%, it is **25.0031, 12.4929, 33.5771**.

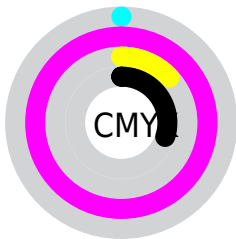
Distribution



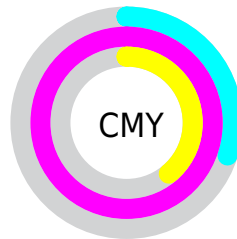
- Red (70%)
- Green (0%)
- Blue (61%)



- Red (70%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (30%)




- Cyan (30%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5912, 11.9840, 32.4695 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 24.5912, 11.9840, 32.4695 by changing the saturation by 10% instead.


 24.5912, 11.9840,
32.4695


 24.5912, 11.9840,
32.4695


268.1813,
204.2993, 327.8108


 15.8999, 6.7328,
21.4526


 50.4409, 29.4660,
64.6528


 9.5437, 3.2956,
13.2608


 68.3300, 42.4655,
86.6563


 5.1574, 1.2879,
7.4755


 90.0158, 58.8166,
113.1591

 2.3756, 0.1318,
3.6783

 115.8635, 78.9037,
144.5797

 0.8329, 0.0000,
1.4506

 146.2385,
103.1111, 181.3366

 0.0000, 0.0000,
0.1807

 181.5063,

 0.0000, 0.0000,

131.8232, 223.8484

0.0000

222.0321,
165.4245, 272.5336

■ 24.5912, 11.9840,
32.4695

■ 24.5912, 11.9840,
32.4695

■ 24.5912, 11.9840,
32.4684

■ 25.0031, 12.4929,
33.5771

■ 25.6140, 13.3940,
34.7693

■ 26.4989, 14.8372,
36.0712

■ 27.6936, 16.8938,
37.4948

■ 29.2282, 19.6244,
39.0504

■ 31.1295, 23.0823,
40.7469

■ 33.4214, 27.3153,
42.5924

■ 36.1259, 32.3674,
44.5942

■ 39.2632, 38.2789,
46.7593

Harmonies

Analogous

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



18.8220, 11.9840, 61.1106



24.5912, 11.9840, 32.4695



26.4537, 11.9840, 10.9060

Triad

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



24.5912, 11.9840, 32.4695



10.6155, 11.9840, 0.0000



4.4450, 11.9840, 40.2444

Complementary

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



24.5912, 11.9840, 32.4695



16.2755, 32.3027, 6.1890

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.



3.5142, 11.9840, 15.4547



24.5912, 11.9840, 32.4695



6.2288, 11.9840, 0.3250

Square

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



24.5912, 11.9840, 32.4695



16.9662, 11.9840, 0.0000



4.0347, 11.9840, 3.4998



7.1935, 11.9840, 67.6930

Rectangle

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



24.5912, 11.9840, 32.4695



24.8399, 11.9840, 3.8927



4.0347, 11.9840, 3.4998



3.9609, 11.9840, 30.8245

Sweetspot

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



24.5916, 11.9846, 32.4697



59.6253, 48.4917, 76.1026



8.4442, 3.4136, 42.8622



12.8150, 10.0117, 16.5493



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.5916, 11.9846, 32.4697



43.9828, 21.4393, 57.8395



19.6536, 10.0094, 6.4664



8.8021, 8.6276, 10.4563



17.3939, 8.4751, 23.0320



0.5603, 0.2719, 0.7933

Inverse Universe

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



24.5916, 11.9846, 32.4697



43.9828, 21.4393, 57.8395



18.9565, 33.3751, 20.3070



8.8021, 8.6276, 10.4563



17.3939, 8.4751, 23.0320



0.5603, 0.2719, 0.7933

Previews

White Background



This preview shows how the XYZ color 24.5912, 11.9840, 32.4695 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

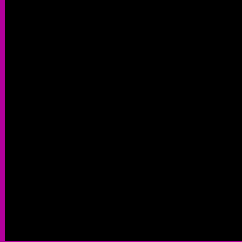
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.5912, 11.9840, 32.4695

Background



This preview shows how black text looks on a background with the XYZ color 24.5912, 11.9840, 32.4695.



This preview shows how white text looks on a background with the XYZ color 24.5912, 11.9840,

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

24.5912, 11.9840, 32.4695

Protanopia

15.0820, 12.7254, 58.7881

Deuteranopia

12.9584, 12.7045, 28.9634



Tritanopia

19.4175, 12.3771, 6.3666

Trichromacy



Original Color

24.5912, 11.9840, 32.4695



Protanomaly

12.8184, 8.0492, 47.8918



Deuteranomaly

14.4850, 9.4700, 29.9186



Tritanomaly

20.3857, 11.3316, 12.6680

Monochromacy



Original Color

24.5912, 11.9840, 32.4695



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7671, 6.1511, 13.2429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5912, 11.9840, 32.4695 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(179, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 156)  
}
```

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(179, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 156) }
```

Border

The CSS property to change the border of an element to XYZ 24.5912, 11.9840, 32.4695 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(179, 0, 156) }
```


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

```
.border{ border-color:rgb(179, 0, 156) }
```

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

Here you see how a box with a 4 pixel rgb(179, 0, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5912, 11.9840, 32.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 156) }
```

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

```
.background{ background-color: rgb(179, 0,  
156) }
```

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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