

Converting Colors

XYZ(24.7016, 12.0149, 33.6534)

Have a look what the booklet for
XYZ(24.7016, 12.0149, 33.6534)
contains.

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Color

**XYZ(24.8484, 12.0869,
33.8242)**

Conversions

Conversions Part 1

Format	Color
Hex	B3009F
RGB	179, 0, 159
RGB Percent	70%, 0%, 62%
CMY	0.2980, 0.9999, 0.3765
CMYK	0.00, 1.00, 0.11, 0.30
HSL	307°, 100%, 35%
HSV	307°, 100%, 70%
XYZ	24.8484, 12.0869, 33.8242
YIQ	71.6470, 55.6450, 87.3970

Conversions

Conversions Part 2

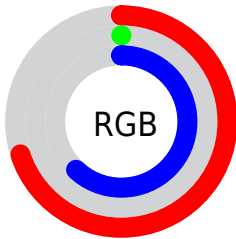
Format	Color
R_{YB}	179, 0, 159
Decimal	11731103
CIE _{Lab}	41.35, 72.50, -36.57
CIE _{LCh}	41, 81.195, 333.234
Yxy	12.0869, 0.3512, 0.1708
Android (android.graphics.Color)	4289921183 (0xFFB3009F)
YUV	71.6470, 43.0650, 94.1486
Hunter-Lab	34.7662, 66.7381, -33.3471

Details

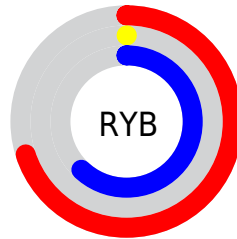
The XYZ color **24.8484, 12.0869, 33.8242** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.2470, 32.2912, 6.0394**, and the grayscale version is **6.0236, 6.3373, 6.9013**.

A 20% lighter version of the original color is **50.9827, 29.7028, 66.6644**, and **10.5390, 5.1265, 14.3440** is the 20% darker color. If you saturate the color by 10%, you get **24.8484, 12.0869, 33.8232**, and if you desaturate by 10%, it is **25.2387, 12.5871, 34.8178**.

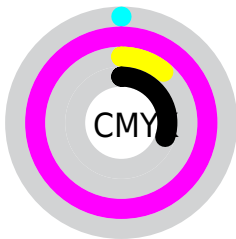
Distribution



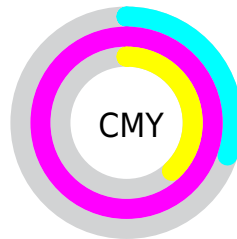
- Red (70%)
- Green (0%)
- Blue (62%)



- Red (70%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8484, 12.0869, 33.8242 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 24.8484, 12.0869, 33.8242 by changing the saturation by 10% instead.

 24.8484, 12.0869,
33.8242


 24.8484, 12.0869,
33.8242


269.4437,
204.9797, 334.0927


 16.0923, 6.8029,
22.4823


 50.8558, 29.6533,
66.7910

 9.6807, 3.3391,
14.0100


 68.8379, 42.7044,
89.2529


 5.2484, 1.3112,
7.9888


 90.6259, 59.1134,
116.2586

 2.4300, 0.1499,
4.0001

 116.5853, 79.2646,
148.2267

 0.8601, 0.0000,
1.6254

 147.0814,
103.5425, 185.5755

 0.0000, 0.0000,
0.3089

 182.4796,

 0.0000, 0.0000,

132.3314, 228.7238

0.0000

223.1453,
166.0157, 278.0900

■ 24.8484, 12.0869,
33.8242

■ 24.8484, 12.0869,
33.8242

■ 24.8484, 12.0869,
33.8232

■ 25.2387, 12.5871,
34.8178

■ 25.8270, 13.4792,
35.8912

■ 26.6885, 14.9131,
37.0697

■ 27.8588, 16.9600,
38.3652

■ 29.3683, 19.6806,
39.7878

■ 31.2434, 23.1280,
41.3466

■ 33.5083, 27.3503,
43.0494

■ 36.1848, 32.3912,
44.9038

■ 39.2932, 38.2912,
46.9165

Harmonies

Analogous

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



18.8757, 12.0869, 63.1633



24.8484, 12.0869, 33.8242



26.9008, 12.0869, 11.4152

Triad

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



24.8484, 12.0869, 33.8242



10.8614, 12.0869, 0.0000



4.3830, 12.0869, 40.1225

Complementary

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



24.8484, 12.0869, 33.8242



16.2470, 32.2912, 6.0394

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.



3.4876, 12.0869, 15.0754



24.8484, 12.0869, 33.8242



6.3342, 12.0869, 0.2367

Square

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



24.8484, 12.0869, 33.8242



17.3772, 12.0869, 0.0000



4.0556, 12.0869, 3.2942



7.1073, 12.0869, 68.5110

Rectangle

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



24.8484, 12.0869, 33.8242



25.3448, 12.0869, 4.0671



4.0556, 12.0869, 3.2942



3.9101, 12.0869, 30.5388

Sweetspot

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



24.8489, 12.0875, 33.8244



59.7833, 48.5549, 76.9347



8.3850, 3.3830, 42.8593



12.8546, 10.0275, 16.7574



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.



24.8489, 12.0875, 33.8244



44.4500, 21.6262, 60.2997



19.7480, 10.0472, 6.9635



8.8083, 8.6300, 10.4890



17.5739, 8.5471, 23.9797



0.5645, 0.2736, 0.8154

Inverse Universe

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



24.8489, 12.0875, 33.8244



44.4500, 21.6262, 60.2997



18.7960, 33.3108, 19.4622



8.8083, 8.6300, 10.4890



17.5739, 8.5471, 23.9797



0.5645, 0.2736, 0.8154

Previews

White Background



This preview shows how the XYZ color 24.8484, 12.0869, 33.8242 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 24.8484, 12.0869, 33.8242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

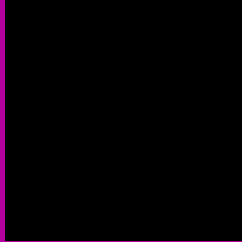
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8484, 12.0869, 33.8242

Background



This preview shows how black text looks on a background with the XYZ color 24.8484, 12.0869, 33.8242.



This preview shows how white text looks on a background with the XYZ color 24.8484, 12.0869,

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

24.8484, 12.0869, 33.8242

Protanopia

15.2023, 12.7735, 59.4219

Deuteranopia

13.0285, 12.7133, 30.2010



Tritanopia

19.3384, 12.4944, 6.5467

Trichromacy



Original Color

24.8484, 12.0869, 33.8242



Protanomaly

12.9258, 8.0921, 48.4576



Deuteranomaly

14.5975, 9.4998, 31.2013



Tritanomaly

20.2926, 11.3219, 13.1724

Monochromacy



Original Color

24.8484, 12.0869, 33.8242



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.0312, 6.3330, 13.7904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8484, 12.0869, 33.8242 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 159) }
```

Border

The CSS property to change the border of an element to XYZ 24.8484, 12.0869, 33.8242 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, 159) }
```


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

```
.border{ border-color:rgb(179, 0, 159) }
```

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, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 159);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8484, 12.0869, 33.8242 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, 159) }
```

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

```
.background{ background-color: rgb(179, 0,  
159) }
```

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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