

Converting Colors

XYZ(24.3647, 11.6847, 40.7096)

Have a look what the booklet for
XYZ(24.3647, 11.6847, 40.7096)
contains.

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Color

**XYZ(24.3374, 11.6751,
40.5059)**

Conversions

Conversions Part 1

Format	Color
Hex	AB00AD
RGB	171, 0, 173
RGB Percent	67%, 0%, 68%
CMY	0.3294, 0.9999, 0.3216
CMYK	0.01, 1.00, 0.00, 0.32
HSL	299°, 100%, 34%
HSV	299°, 100%, 68%
XYZ	24.3374, 11.6751, 40.5059
YIQ	70.8510, 46.3830, 90.0550

Conversions

Conversions Part 2

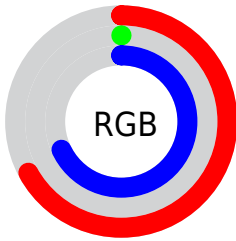
Format	Color
R_{YB}	171, 0, 173
Decimal	11206829
CIE _{Lab}	40.70, 73.13, -46.09
CIE _{LCh}	41, 86.442, 327.778
Yxy	11.6751, 0.3181, 0.1526
Android (android.graphics.Color)	4289396909 (0xFFAB00AD)
YUV	70.8510, 50.3595, 87.8307
Hunter-Lab	34.1688, 67.3445, -46.3679

Details

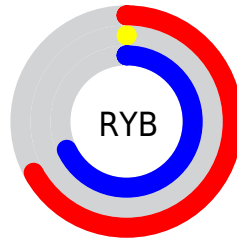
The XYZ color **24.3374, 11.6751, 40.5059** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.9690, 29.9003, 4.9830**, and the grayscale version is **5.8786, 6.1847, 6.7352**.

A 20% lighter version of the original color is **49.9463, 28.8208, 77.0592**, and **10.3296, 4.9335, 18.1771** is the 20% darker color. If you saturate the color by 10%, you get **24.3376, 11.6752, 40.5061**, and if you desaturate by 10%, it is **24.5867, 12.1086, 40.5766**.

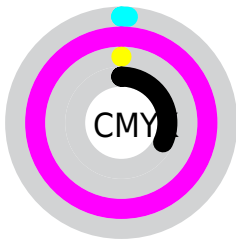
Distribution



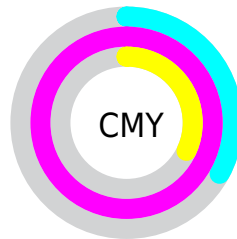
- Red (67%)
- Green (0%)
- Blue (68%)



- Red (67%)
- Yellow (0%)
- Blue (68%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (32%)





- Cyan (33%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3374, 11.6751, 40.5059 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 24.3374, 11.6751, 40.5059 by changing the saturation by 10% instead.


 24.3374, 11.6751,
40.5059


 24.3374, 11.6751,
40.5059


266.9308,
202.2423, 363.8666


 15.7102, 6.5229,
27.6164


 50.0309, 28.9020,
77.1788


 9.4088, 3.1655,
17.8002


 67.8279, 41.7454,
101.7992


 5.0680, 1.2188,
10.6387


 89.4122, 57.9213,
131.1671

 2.3224, 0.0769,
5.7133

 115.1492, 77.8141,
165.7009

 0.8061, 0.0000,
2.6056

 145.4042,
101.8082, 205.8193

 0.0000, 0.0000,
0.8953

 180.5425,

 0.0000, 0.0000,

130.2881, 251.9406

0.0000

220.9296,
163.6380, 304.4835

■ 24.3374, 11.6751,
40.5059

■ 24.3374, 11.6751,
40.5059

■ 24.3376, 11.6752,
40.5061

■ 24.5867, 12.1086,
40.5766

■ 25.0148, 12.9000,
40.7068

■ 25.6931, 14.1916,
40.9203

■ 26.6542, 16.0488,
41.2282

■ 27.9258, 18.5270,
41.6395

■ 29.5325, 21.6752,
42.1625

■ 31.4963, 25.5374,
42.8044

■ 33.8373, 30.1540,
43.5721

■ 36.5741, 35.5621,
44.4718

Harmonies

Analogous

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



17.5392, 11.6751, 71.9848



24.3374, 11.6751, 40.5059



27.5128, 11.6751, 14.0652

Triad

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



24.3374, 11.6751, 40.5059



11.5597, 11.6751, 0.0000



3.5987, 11.6751, 35.7968

Complementary

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



24.3374, 11.6751, 40.5059



14.9690, 29.9003, 4.9830

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.



2.9991, 11.6751, 11.4489



24.3374, 11.6751, 40.5059



6.4638, 11.6751, 0.0000

Square

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



24.3374, 11.6751, 40.5059



18.6344, 11.6751, 0.0000



3.8185, 11.6751, 1.8763



5.9278, 11.6751, 67.9098

Rectangle

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



24.3374, 11.6751, 40.5059



26.5113, 11.6751, 4.9452



3.8185, 11.6751, 1.8763



3.2364, 11.6751, 26.0397

Sweetspot

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



24.3379, 11.6756, 40.5061



56.2028, 45.3315, 76.5934



7.5746, 3.0803, 39.7306



11.8889, 9.2115, 16.5391



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.3379, 11.6756, 40.5061



43.5739, 20.9026, 72.5438



19.0536, 9.6126, 10.3893



8.3278, 8.1433, 10.0856



17.8831, 8.5790, 29.7579



0.5003, 0.2401, 0.8280

Inverse Universe

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



17.2449, 8.8891, 0.8649



30.8788, 15.9170, 1.5193



16.5296, 30.5216, 13.3313



8.0089, 8.0168, 8.3575



12.6702, 6.5306, 0.6427



0.3537, 0.1821, 0.0241

Previews

White Background



This preview shows how the XYZ color 24.3374, 11.6751, 40.5059 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

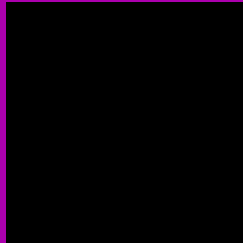
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.3374, 11.6751, 40.5059

Background



This preview shows how black text looks on a background with the XYZ color 24.3374, 11.6751, 40.5059.



This preview shows how white text looks on a background with the XYZ color 24.3374, 11.6751,

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

24.3374, 11.6751, 40.5059

Protanopia

14.6348, 12.4015, 56.8807

Deuteranopia

12.7600, 12.4379, 36.3786



Tritanopia

17.7340, 12.0757, 7.5270

Trichromacy



Original Color

24.3374, 11.6751, 40.5059



Protanomaly

13.0064, 8.0174, 50.1522



Deuteranomaly

13.7896, 8.9417, 37.5583



Tritanomaly

18.9340, 10.7244, 15.5401

Monochromacy



Original Color

24.3374, 11.6751, 40.5059



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7086, 6.0853, 14.8502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3374, 11.6751, 40.5059 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(171, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 173)  
}
```

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(171, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 173) }
```

Border

The CSS property to change the border of an element to XYZ 24.3374, 11.6751, 40.5059 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(171, 0, 173) }
```


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

```
.border{ border-color:rgb(171, 0, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3374, 11.6751, 40.5059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 173) }
```

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

```
.background{ background-color: rgb(171, 0,  
173) }
```

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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