

Converting Colors

XYZ(18.3514, 12.1290, 12.3422)

Have a look what the booklet for
XYZ(18.3514, 12.1290, 12.3422)
contains.

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Color

**XYZ(18.3576, 12.1119,
12.4366)**

Conversions

Conversions Part 1

Format	Color
Hex	9F4260
RGB	159, 66, 96
RGB Percent	62%, 26%, 38%
CMY	0.3765, 0.7412, 0.6235
CMYK	0.00, 0.58, 0.40, 0.38
HSL	341°, 41%, 44%
HSV	341°, 58%, 62%
XYZ	18.3576, 12.1119, 12.4366
YIQ	97.2270, 45.7980, 29.0460

Conversions

Conversions Part 2

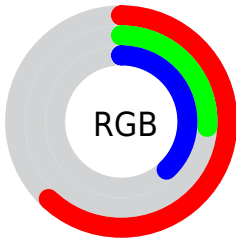
Format	Color
RYB	159, 66, 96
Decimal	10437216
CIELab	41.39, 41.64, 1.92
CIElCh	41, 41.679, 2.634
Yxy	12.1119, 0.4279, 0.2823
Android (android.graphics.Color)	4288627296 (0xFF9F4260)
YUV	97.2270, -0.6049, 54.1749
Hunter-Lab	34.8022, 33.2522, 3.1741

Details

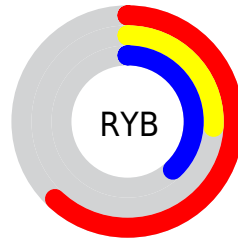
The XYZ color **18.3576, 12.1119, 12.4366** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **18.6080, 27.5398, 25.1056**, and the grayscale version is **11.4121, 12.0064, 13.0750**.

A 20% lighter version of the original color is **40.2820, 29.7839, 30.8199**, and **6.3823, 3.3687, 3.3315** is the 20% darker color. If you saturate the color by 10%, you get **17.0920, 10.3207, 9.7333**, and if you desaturate by 10%, it is **19.9501, 14.4480, 15.5844**.

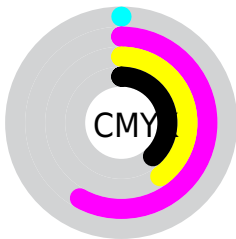
Distribution



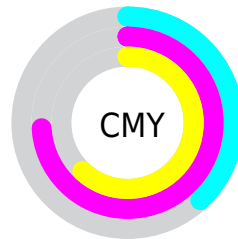
- Red (62%)
- Green (26%)
- Blue (38%)



- Red (62%)
- Yellow (26%)
- Blue (38%)



- Cyan (0%)
- Magenta (58%)
- Yellow (40%)
- Black (38%)




- Cyan (38%)
- Magenta (74%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3576, 12.1119, 12.4366 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 18.3576, 12.1119, 12.4366 by changing the saturation by 10% instead.


 18.3576, 12.1119,
12.4366

 18.3576, 12.1119,
12.4366


235.8858,
205.1447, 218.3542


 11.3083, 6.8199,
6.9156


 40.1711, 29.6987,
30.9640


 6.3434, 3.3497,
3.3317


 55.6659, 42.7624,
44.8076


 3.0976, 1.3169,
1.2664

 74.7066, 59.1854,
62.2623

 1.2056, 0.1543,
0.0340

 97.6585, 79.3522,
83.7469

 0.1108, 0.0000,
0.0000

 124.8871,
103.6471, 109.6799

 0.0000, 0.0000,
0.0000

156.7576,

132.4546, 140.4797

193.6354,
166.1590, 176.5649

■ 18.3576, 12.1119,
12.4366

■ 18.3576, 12.1119,
12.4366

■ 17.0920, 10.3207,
9.7333

■ 19.9501, 14.4480,
15.5844

■ 16.1275, 9.0274,
7.4521

■ 21.8905, 17.3671,
19.1961

■ 15.4358, 8.1801,
5.5691

■ 24.1993, 20.9060,
23.2908

■ 14.9648, 7.6794,
4.0514

■ 26.8948, 25.0980,
27.8862

■ 14.9019, 7.6124,
3.8489

■ 29.9945, 29.9740,
32.9990

■ 33.5143, 35.5628,
38.6451

■ 37.4696, 41.8916,
44.8399

■ 41.8748, 48.9863,
51.5978

■ 46.7438, 56.8714,
58.9330

Harmonies

Analogous

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



17.4912, 12.1119, 22.4265



18.3576, 12.1119, 12.4366



17.1401, 12.1119, 6.0879

Triad

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



18.3576, 12.1119, 12.4366



8.6506, 12.1119, 3.5436



9.0392, 12.1119, 34.2132

Complementary

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



18.3576, 12.1119, 12.4366



18.6080, 27.5398, 25.1056

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.



7.2743, 12.1119, 24.3701



18.3576, 12.1119, 12.4366



7.0792, 12.1119, 6.9152

Square

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



18.3576, 12.1119, 12.4366



11.2466, 12.1119, 2.5631



6.6229, 12.1119, 13.9687



11.7815, 12.1119, 37.8207

Rectangle

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



18.3576, 12.1119, 12.4366



15.4167, 12.1119, 3.8824



6.6229, 12.1119, 13.9687



8.3295, 12.1119, 31.3605

Sweetspot

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



18.3579, 12.1125, 12.4368



48.2414, 45.0660, 50.0675



17.1089, 10.9896, 34.0203



10.5582, 9.6636, 10.7529



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.3579, 12.1125, 12.4368



30.0661, 17.7376, 16.1945



18.2617, 13.7245, 6.8417



6.7168, 6.6797, 7.3601



11.7874, 6.0195, 3.1315



0.2290, 0.1149, 0.1518

Inverse Universe

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



18.3579, 12.1125, 12.4368



30.0661, 17.7376, 16.1945



18.4030, 23.4573, 36.3586



6.7168, 6.6797, 7.3601



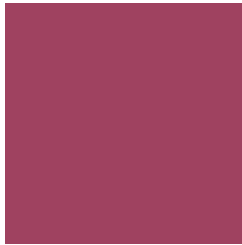
11.7874, 6.0195, 3.1315



0.2290, 0.1149, 0.1518

Previews

White Background



This preview shows how the XYZ color 18.3576, 12.1119, 12.4366 looks on a white background.

Color Contrast Check

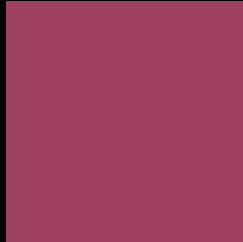
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3576, 12.1119, 12.4366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

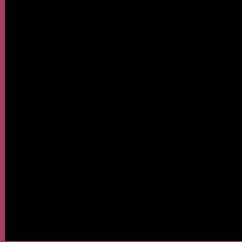
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3576, 12.1119, 12.4366

Background



This preview shows how black text looks on a background with the XYZ color 18.3576, 12.1119, 12.4366.



This preview shows how white text looks on a background with the XYZ color 18.3576, 12.1119,

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

18.3576, 12.1119, 12.4366

Protanopia

12.1815, 12.4061, 17.9722

Deuteranopia

12.4544, 12.2721, 11.8376



Tritanopia

17.3648, 12.0564, 8.0685

Trichromacy



Original Color

18.3576, 12.1119, 12.4366

Protanomaly

13.5058, 11.5898, 15.7126

Deuteranomaly

14.0482, 11.7202, 11.8777

Tritanomaly

17.7900, 12.1499, 9.5911

Monochromacy



Original Color

18.3576, 12.1119, 12.4366

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.2312, 11.5117, 12.8339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3576, 12.1119, 12.4366 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(159, 66, 96)` looks like.

```
.text, #text, p{  
    color:rgb(159, 66, 96)  
}
```

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(159, 66, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 66, 96) }
```

Border

The CSS property to change the border of an element to XYZ 18.3576, 12.1119, 12.4366 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(159, 66, 96) }
```


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

```
.border{ border-color:rgb(159, 66, 96) }
```

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

Here you see how a box with a 4 pixel rgb(159, 66, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 66, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 66, 96);  
box-shadow:4px 4px 4px 4px rgb(159, 66,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3576, 12.1119, 12.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 66, 96) }
```

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

```
.background{ background-color: rgb(159, 66,  
96) }
```

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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