

Converting Colors

XYZ(18.6216, 12.9044, 16.7748)

Have a look what the booklet for
XYZ(18.6216, 12.9044, 16.7748)
contains.

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Color

**XYZ(18.6998, 12.9374,
16.8408)**

Conversions

Conversions Part 1

Format	Color
Hex	9A4A70
RGB	154, 74, 112
RGB Percent	60%, 29%, 44%
CMY	0.3961, 0.7098, 0.5608
CMYK	0.00, 0.52, 0.27, 0.40
HSL	332°, 35%, 45%
HSV	332°, 52%, 60%
XYZ	18.6998, 12.9374, 16.8408
YIQ	102.2520, 35.4820, 28.7780

Conversions

Conversions Part 2

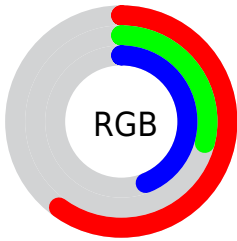
Format	Color
RYB	154, 74, 112
Decimal	10111600
CIELab	42.67, 37.92, -6.20
CIELCh	43, 38.427, 350.709
Yxy	12.9374, 0.3857, 0.2669
Android (android.graphics.Color)	4288301680 (0xFF9A4A70)
YUV	102.2520, 4.8058, 45.3830
Hunter-Lab	35.9686, 29.8557, -2.5821

Details

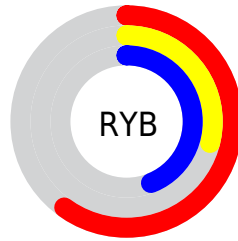
The XYZ color **18.6998, 12.9374, 16.8408** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.5326, 25.8283, 20.5855**, and the grayscale version is **12.6769, 13.3371, 14.5241**.

A 20% lighter version of the original color is **40.6128, 31.0492, 38.9745**, and **6.4873, 3.6923, 5.2212** is the 20% darker color. If you saturate the color by 10%, you get **17.3645, 10.9552, 14.2734**, and if you desaturate by 10%, it is **20.3279, 15.4404, 19.7055**.

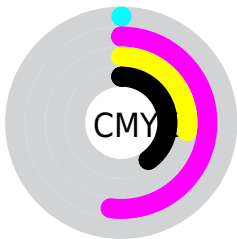
Distribution



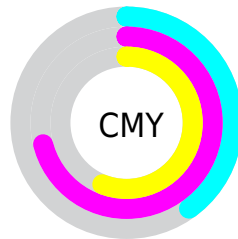
- Red (60%)
- Green (29%)
- Blue (44%)



- Red (60%)
- Yellow (29%)
- Blue (44%)



- Cyan (0%)
- Magenta (52%)
- Yellow (27%)
- Black (40%)



- Cyan (40%)
- Magenta (71%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6998, 12.9374, 16.8408 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 18.6998, 12.9374, 16.8408 by changing the saturation by 10% instead.

■ 18.6998, 12.9374,
16.8408

■ 18.6998, 12.9374,
16.8408

237.7565,
210.5161, 246.2661

■ 11.5563, 7.3855,
9.9603

■ 40.7470, 31.1913,
38.8387

■ 6.5123, 3.7043,
5.2674

■ 56.3814, 44.6620,
54.7933

■ 3.2026, 1.5096,
2.3435

■ 75.5768, 61.5411,
74.6095

■ 1.2618, 0.2954,
0.7554

■ 98.6986, 82.2130,
98.7061

■ 0.1544, 0.0000,
0.0000

■ 126.1121,
107.0620, 127.5015

■ 0.0000, 0.0000,
0.0000

158.1827,

136.4726, 161.4143

195.2757,
170.8292, 200.8630

■ 18.6998, 12.9374,
16.8408

■ 18.6998, 12.9374,
16.8408

■ 17.3645, 10.9552,
14.2734

■ 20.3279, 15.4404,
19.7055

■ 16.3013, 9.4541,
11.9909

■ 22.2657, 18.4964,
22.8778

■ 15.4880, 8.3916,
9.9805

■ 24.5297, 22.1371,
26.3683

■ 14.8983, 7.7170,
8.2278

■ 27.1352, 26.3912,
30.1866

■ 14.5339, 7.3530,
6.9821

■ 30.0963, 31.2857,
34.3421

■ 33.4264, 36.8458,
38.8435

■ 37.1381, 43.0954,
43.6994

■ 41.2434, 50.0572,
48.9180

■ 45.7539, 57.7528,
54.5070

Harmonies

Analogous

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



17.1653, 12.9374, 26.8950



18.6998, 12.9374, 16.8408



18.3207, 12.9374, 9.1380

Triad

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



18.6998, 12.9374, 16.8408



10.4189, 12.9374, 3.7739



9.0774, 12.9374, 30.5227

Complementary

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



18.6998, 12.9374, 16.8408



17.5326, 25.8283, 20.5855

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.



7.7631, 12.9374, 20.5605



18.6998, 12.9374, 16.8408



8.4484, 12.9374, 6.1698

Square

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



18.6998, 12.9374, 16.8408



13.2240, 12.9374, 3.4406



7.5526, 12.9374, 11.6504



11.4136, 12.9374, 36.6123

Rectangle

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



18.6998, 12.9374, 16.8408



17.0541, 12.9374, 5.9959



7.5526, 12.9374, 11.6504



8.5180, 12.9374, 27.3660

Sweetspot

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



18.7002, 12.9380, 16.8410



47.1443, 44.4199, 51.7270



15.3963, 10.8989, 31.8641



10.4679, 9.7230, 11.4102



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.7002, 12.9380, 16.8410



31.2662, 19.4991, 25.3618



17.1017, 12.4426, 7.9796



6.3248, 6.2691, 7.0906



11.8590, 5.9978, 5.7826



0.1955, 0.0969, 0.1823

Inverse Universe

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



18.7002, 12.9380, 16.8410



31.2662, 19.4991, 25.3618



19.9939, 26.4627, 34.6259



6.3248, 6.2691, 7.0906



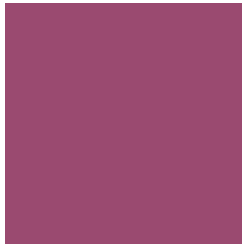
11.8590, 5.9978, 5.7826



0.1955, 0.0969, 0.1823

Previews

White Background



This preview shows how the XYZ color 18.6998, 12.9374, 16.8408 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 18.6998, 12.9374, 16.8408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

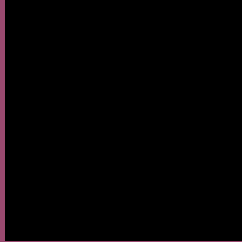
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6998, 12.9374, 16.8408

Background



This preview shows how black text looks on a background with the XYZ color 18.6998, 12.9374, 16.8408.



This preview shows how white text looks on a background with the XYZ color 18.6998, 12.9374,

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

18.6998, 12.9374, 16.8408

Protanopia

13.1357, 13.0790, 22.6011

Deuteranopia

13.2588, 13.0062, 15.9990



Tritanopia

17.3846, 12.9232, 10.1725

Trichromacy



Original Color

18.6998, 12.9374, 16.8408

Protanomaly

14.5187, 12.6252, 20.4106

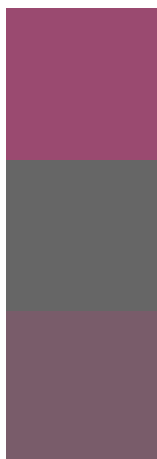
Deuteranomaly

14.7901, 12.6089, 16.1222

Tritanomaly

17.8563, 12.9063, 12.3765

Monochromacy



Original Color

18.6998, 12.9374, 16.8408

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.3138, 12.7598, 15.3441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6998, 12.9374, 16.8408 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(154, 74, 112)` looks like.

```
.text, #text, p{  
  color:rgb(154, 74, 112)  
}
```

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(154, 74, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 74, 112) }
```

Border

The CSS property to change the border of an element to XYZ 18.6998, 12.9374, 16.8408 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(154, 74, 112) }
```


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

```
.border{ border-color:rgb(154, 74, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 74, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 74, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 74, 112); box-shadow:4px 4px 4px 4px rgb(154, 74, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6998, 12.9374, 16.8408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 74, 112) }
```

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

```
.background{ background-color: rgb(154, 74,  
112) }
```

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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