

Converting Colors

XYZ(18.0272, 12.9210, 13.4417)

Have a look what the booklet for
XYZ(18.0272, 12.9210, 13.4417)
contains.

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Color

**XYZ(18.0429, 12.9809,
13.3590)**

Conversions

Conversions Part 1

Format	Color
Hex	994D63
RGB	153, 77, 99
RGB Percent	60%, 30%, 39%
CMY	0.4000, 0.6980, 0.6118
CMYK	0.00, 0.50, 0.35, 0.40
HSL	343°, 33%, 45%
HSV	343°, 50%, 60%
XYZ	18.0429, 12.9809, 13.3590
YIQ	102.2320, 38.2340, 22.9540

Conversions

Conversions Part 2

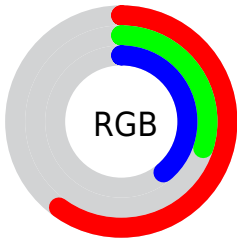
Format	Color
R _Y B	153, 77, 99
Decimal	10046819
CIE Lab	42.73, 34.19, 1.89
CIE LCh	43, 34.246, 3.157
Yxy	12.9809, 0.4065, 0.2925
Android (android.graphics.Color)	4288236899 (0xFF994D63)
YUV	102.2320, -1.5934, 44.5235
Hunter-Lab	36.0290, 26.3399, 3.2365

Details

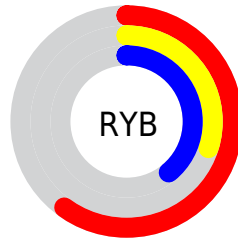
The XYZ color **18.0429, 12.9809, 13.3590** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.5492, 25.9993, 25.5149**, and the grayscale version is **12.6874, 13.3481, 14.5361**.

A 20% lighter version of the original color is **39.8025, 31.3420, 32.8059**, and **6.2034, 3.7402, 3.7631** is the 20% darker color. If you saturate the color by 10%, you get **16.6103, 10.8922, 10.4875**, and if you desaturate by 10%, it is **19.7980, 15.6025, 16.6835**.

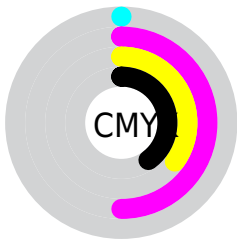
Distribution



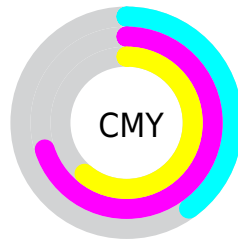
- Red (60%)
- Green (30%)
- Blue (39%)



- Red (60%)
- Yellow (30%)
- Blue (39%)



- Cyan (0%)
- Magenta (50%)
- Yellow (35%)
- Black (40%)



- Cyan (40%)
- Magenta (70%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0429, 12.9809, 13.3590 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 18.0429, 12.9809, 13.3590 by changing the saturation by 10% instead.

■ 18.0429, 12.9809,
13.3590

■ 18.0429, 12.9809,
13.3590

234.1536,
210.7952, 224.4938

■ 11.0807, 7.4154,
7.5426

■ 39.6399, 31.2695,
32.6478

■ 6.1888, 3.7232,
3.7201

■ 55.0054, 44.7613,
46.9574

■ 3.0020, 1.5200,
1.4731

■ 73.9027, 61.6641,
64.9350

■ 1.1548, 0.3027,
0.1978

■ 96.6972, 82.3621,
86.9993

■ 0.0702, 0.0000,
0.0000

■ 123.7541,
107.2399, 113.5688

■ 0.0000, 0.0000,
0.0000

155.4390,

136.6817, 145.0620

192.1170,
171.0720, 181.8975

■ 18.0429, 12.9809,
13.3590

■ 18.0429, 12.9809,
13.3590

■ 16.6103, 10.8922,
10.4875

■ 19.7980, 15.6025,
16.6835

■ 15.4784, 9.2975,
8.0477

■ 21.8933, 18.7884,
20.4795

■ 14.6244, 8.1557,
6.0175


■ 24.3466, 22.5700,
24.7653


■ 14.0213, 7.4179,
4.3722


■ 27.1739, 26.9757,
29.5579


■ 13.6092, 6.9700,
3.0748


■ 30.3903, 32.0321,
34.8735

 13.5969, 6.9563,
3.0371

 34.0102, 37.7642,
40.7277

 38.0470, 44.1959,
47.1352

 42.5136, 51.3496,
54.1102

 47.4224, 59.2470,
61.6665

Harmonies

Analogous

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



17.3662, 12.9809, 21.6481



18.0429, 12.9809, 13.3590



17.0222, 12.9809, 7.6525

Triad

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



18.0429, 12.9809, 13.3590



9.7971, 12.9809, 5.2073



10.2124, 12.9809, 31.1770

Complementary

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



18.0429, 12.9809, 13.3590



18.5492, 25.9993, 25.5149

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.



8.6031, 12.9809, 23.5166



18.0429, 12.9809, 13.3590



8.3881, 12.9809, 8.5974

Square

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



18.0429, 12.9809, 13.3590



12.0643, 12.9809, 4.1068



7.9835, 12.9809, 14.9384



12.6157, 12.9809, 33.8304

Rectangle

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



18.0429, 12.9809, 13.3590



15.5904, 12.9809, 5.4840



7.9835, 12.9809, 14.9384



9.5726, 12.9809, 28.9953

Sweetspot

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



18.0433, 12.9816, 13.3592



45.7326, 43.7309, 47.9925



17.6408, 12.3701, 31.5950



9.8876, 9.3286, 10.2386



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.0433, 12.9816, 13.3592



29.4063, 19.0188, 18.0711



18.3214, 14.9978, 8.9512



6.2787, 6.2506, 6.8476



11.2506, 5.7545, 2.5786



0.1825, 0.0918, 0.1141

Inverse Universe

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



18.0433, 12.9816, 13.3592



29.4063, 19.0188, 18.0711



17.8707, 21.9978, 33.4412



6.2787, 6.2506, 6.8476



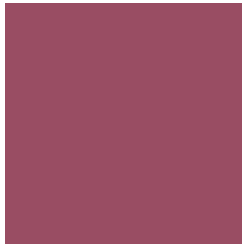
11.2506, 5.7545, 2.5786



0.1825, 0.0918, 0.1141

Previews

White Background



This preview shows how the XYZ color 18.0429, 12.9809, 13.3590 looks on a white background.

Color Contrast Check

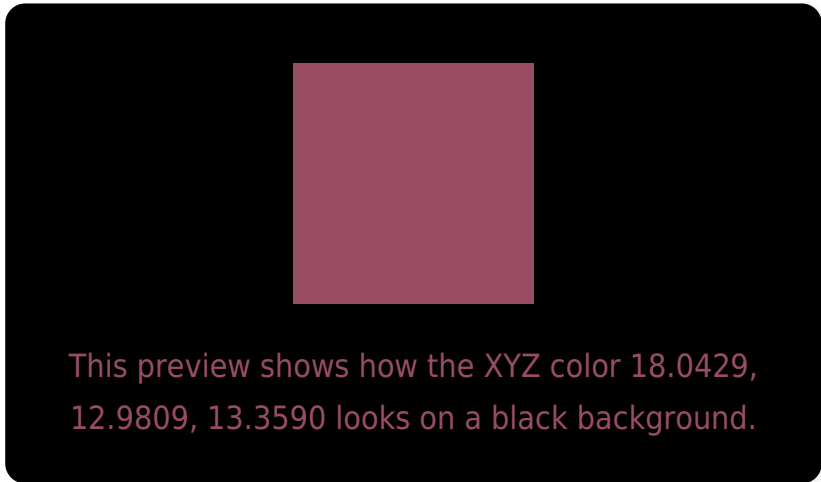
Large Text (above 18pt) WCAG AA ✓ Pass

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

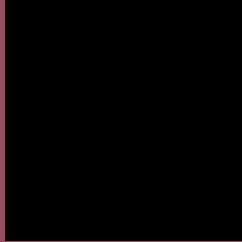
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0429, 12.9809, 13.3590

Background



This preview shows how black text looks on a background with the XYZ color 18.0429, 12.9809, 13.3590.



This preview shows how white text looks on a background with the XYZ color 18.0429, 12.9809,

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

18.0429, 12.9809, 13.3590

Protanopia

12.8898, 13.2089, 17.4930

Deuteranopia

13.2891, 13.0906, 12.8927



Tritanopia

17.4572, 13.0686, 10.1967

Trichromacy



Original Color

18.0429, 12.9809, 13.3590

Protanomaly

14.1417, 12.6589, 15.8854

Deuteranomaly

14.7159, 12.7646, 12.9975

Tritanomaly

17.5903, 13.0055, 11.2561

Monochromacy



Original Color

18.0429, 12.9809, 13.3590

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.1485, 12.8332, 14.0433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0429, 12.9809, 13.3590 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(153, 77, 99)` looks like.

```
.text, #text, p{  
    color:rgb(153, 77, 99)  
}
```

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(153, 77, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 77, 99) }
```

Border

The CSS property to change the border of an element to XYZ 18.0429, 12.9809, 13.3590 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(153, 77, 99) }
```


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

```
.border{ border-color:rgb(153, 77, 99) }
```

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

Here you see how a box with a 4 pixel rgb(153, 77, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 77, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 77, 99);  
box-shadow:4px 4px 4px 4px rgb(153, 77,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0429, 12.9809, 13.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 77, 99) }
```

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

```
.background{ background-color: rgb(153, 77,  
99) }
```

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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