

Converting Colors

XYZ(16.8840, 12.1156, 27.8398)

Have a look what the booklet for
XYZ(16.8840, 12.1156, 27.8398)
contains.

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Color

**XYZ(16.9644, 12.2082,
27.8479)**

Conversions

Conversions Part 1

Format	Color
Hex	824E90
RGB	130, 78, 144
RGB Percent	51%, 31%, 56%
CMY	0.4902, 0.6941, 0.4353
CMYK	0.10, 0.46, 0.00, 0.44
HSL	287°, 30%, 44%
HSV	287°, 46%, 56%
XYZ	16.9644, 12.2082, 27.8479
YIQ	101.0720, 9.8060, 31.5500

Conversions

Conversions Part 2

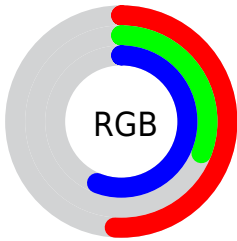
Format	Color
RYB	130, 78, 144
Decimal	8539792
CIELab	41.55, 33.48, -27.74
CIElCh	42, 43.474, 320.357
Yxy	12.2082, 0.2975, 0.2141
Android (android.graphics.Color)	4286729872 (0xFF824E90)
YUV	101.0720, 21.1635, 25.3699
Hunter-Lab	34.9402, 25.5210, -22.7969

Details

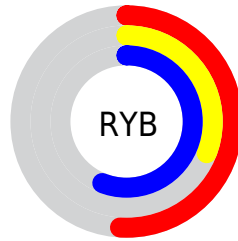
The XYZ color **16.9644, 12.2082, 27.8479** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.7623, 22.7722, 10.7729**, and the grayscale version is **12.3339, 12.9762, 14.1311**.

A 20% lighter version of the original color is **37.8105, 29.9681, 57.2177**, and **5.6645, 3.3811, 10.7100** is the 20% darker color. If you saturate the color by 10%, you get **15.5897, 10.1437, 27.5221**, and if you desaturate by 10%, it is **18.5779, 14.7290, 28.2496**.

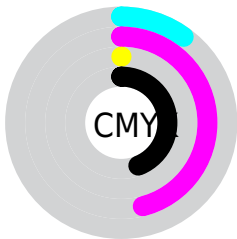
Distribution



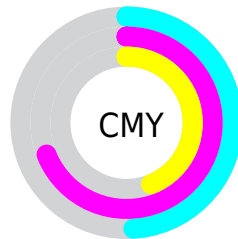
- Red (51%)
- Green (31%)
- Blue (56%)



- Red (51%)
- Yellow (31%)
- Blue (56%)



- Cyan (10%)
- Magenta (46%)
- Yellow (0%)
- Black (44%)



- Cyan (49%)
- Magenta (69%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9644, 12.2082, 27.8479 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 16.9644, 12.2082, 27.8479 by changing the saturation by 10% instead.

■ 16.9644, 12.2082,
27.8479

■ 16.9644, 12.2082,
27.8479

228.1274,
205.7788, 305.6284

■ 10.3043, 6.8856,
17.9730

■ 37.8086, 29.8737,
57.2617

■ 5.6650, 3.3907,
10.7614

■ 52.7235, 42.9855,
77.6377

■ 2.6812, 1.3389,
5.7945

■ 71.1205, 59.4624,
102.3511

■ 0.9875, 0.1711,
2.6537

■ 93.3652, 79.6890,
131.8204

■ 0.0000, 0.0000,
0.9200

■ 119.8229,
104.0495, 166.4643

■ 0.0000, 0.0000,
0.0000

150.8589,

132.9284, 206.7012

186.8386,
166.7100, 252.9498

■ 16.9644, 12.2082,
27.8479

■ 16.9644, 12.2082,
27.8479

■ 15.5897, 10.1437,
27.5221

■ 18.5779, 14.7290,
28.2496

■ 14.4376, 8.5043,
27.2663

■ 20.4425, 17.7314,
28.7309

■ 13.4919, 7.2574,
27.0755

■ 22.5711, 21.2409,
29.2961

■ 12.7333, 6.3647,
26.9432

■ 24.9754, 25.2804,
29.9491

■ 12.1340, 5.7705,
26.8601

■ 27.6662, 29.8718,
30.6935

■ 11.9030, 5.5547,
26.8306

■ 30.6539, 35.0355,
31.5327

■ 33.9483, 40.7908,
32.4699

■ 37.5587, 47.1563,
33.5083

■ 41.4940, 54.1496,
34.6508

Harmonies

Analogous

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



13.8580, 12.2082, 37.3267



16.9644, 12.2082, 27.8479



18.7179, 12.2082, 16.4397

Triad

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



16.9644, 12.2082, 27.8479



12.6558, 12.2082, 2.4360



6.7718, 12.2082, 20.3449

Complementary

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



16.9644, 12.2082, 27.8479



15.7623, 22.7722, 10.7729

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.



6.5679, 12.2082, 10.5753



16.9644, 12.2082, 27.8479



9.6078, 12.2082, 2.7188

Square

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



16.9644, 12.2082, 27.8479



15.9477, 12.2082, 3.8667



7.5109, 12.2082, 4.9706



8.1299, 12.2082, 31.7988

Rectangle

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



16.9644, 12.2082, 27.8479



18.6997, 12.2082, 10.3921



7.5109, 12.2082, 4.9706



6.5770, 12.2082, 16.6881

Sweetspot

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



16.9648, 12.2087, 27.8482



40.4327, 38.5022, 51.8387



12.0295, 11.3402, 27.9406



9.0919, 8.5290, 11.8393



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.9648, 12.2087, 27.8482



27.4307, 17.7949, 48.5270



17.9472, 12.8668, 21.0407



5.5158, 5.4541, 6.7908



10.3852, 4.8474, 23.3654



0.1174, 0.0557, 0.2242

Inverse Universe

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



16.1581, 12.1512, 11.6193



26.0132, 17.7924, 15.5586



15.2592, 22.4240, 14.7605



5.4528, 5.4416, 5.8824



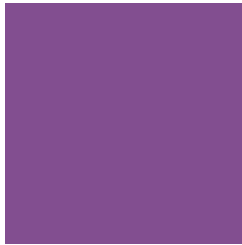
10.2335, 5.2504, 1.6150



0.1046, 0.0529, 0.0513

Previews

White Background



This preview shows how the XYZ color 16.9644, 12.2082, 27.8479 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 16.9644, 12.2082, 27.8479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

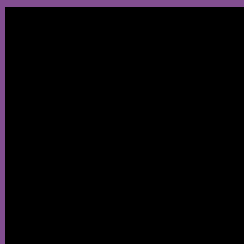
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9644, 12.2082, 27.8479

Background



This preview shows how black text looks on a background with the XYZ color 16.9644, 12.2082, 27.8479.



This preview shows how white text looks on a background with the XYZ color 16.9644, 12.2082,

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

16.9644, 12.2082, 27.8479

Protanopia

13.2757, 12.3203, 34.9361

Deuteranopia

12.5756, 12.2818, 26.5188



Tritanopia

13.8521, 12.2002, 12.6911

Trichromacy



Original Color

16.9644, 12.2082, 27.8479

Protanomaly

14.0212, 11.8575, 32.1216

Deuteranomaly

13.7194, 11.9447, 26.7818

Tritanomaly

14.8333, 12.1249, 17.1813

Monochromacy



Original Color

16.9644, 12.2082, 27.8479

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.8073, 12.5578, 18.5258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9644, 12.2082, 27.8479 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(130, 78, 144)` looks like.

```
.text, #text, p{  
    color:rgb(130, 78, 144)  
}
```

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(130, 78, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 78, 144) }
```

Border

The CSS property to change the border of an element to XYZ 16.9644, 12.2082, 27.8479 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(130, 78, 144) }
```


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

```
.border{ border-color:rgb(130, 78, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 78, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 78, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 78, 144);  
box-shadow:4px 4px 4px 4px rgb(130, 78,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9644, 12.2082, 27.8479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 78, 144) }
```

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

```
.background{ background-color: rgb(130, 78,  
144) }
```

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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