

Converting Colors

XYZ(18.5437, 12.5596, 27.5485)

Have a look what the booklet for
XYZ(18.5437, 12.5596, 27.5485)
contains.

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Color

**XYZ(18.4958, 12.4990,
27.4243)**

Conversions

Conversions Part 1

Format	Color
Hex	8E498F
RGB	142, 73, 143
RGB Percent	56%, 29%, 56%
CMY	0.4431, 0.7137, 0.4392
CMYK	0.01, 0.49, 0.00, 0.44
HSL	299°, 32%, 42%
HSV	299°, 49%, 56%
XYZ	18.4958, 12.4990, 27.4243
YIQ	101.6110, 18.6540, 36.3980

Conversions

Conversions Part 2

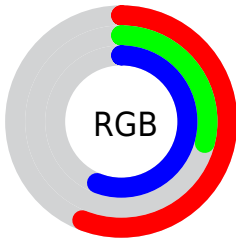
Format	Color
R _Y B	142, 73, 143
Decimal	9324943
CIE Lab	42.00, 39.75, -26.31
CIE LCh	42, 47.668, 326.503
Yxy	12.4990, 0.3166, 0.2140
Android (android.graphics.Color)	4287515023 (0xFF8E498F)
YUV	101.6110, 20.4048, 35.4212
Hunter-Lab	35.3539, 31.5149, -21.2439

Details

The XYZ color **18.4958, 12.4990, 27.4243** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.8494, 21.5821, 9.7397**, and the grayscale version is **12.4735, 13.1231, 14.2911**.

A 20% lighter version of the original color is **40.3117, 30.3168, 56.5504**, and **6.4351, 3.5202, 10.4655** is the 20% darker color. If you saturate the color by 10%, you get **17.6272, 10.8135, 27.1449**, and if you desaturate by 10%, it is **19.5813, 14.6177, 27.7762**.

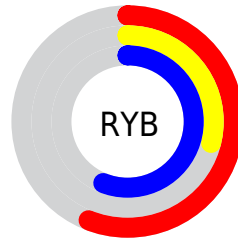
Distribution



Red (56%)

Green (29%)

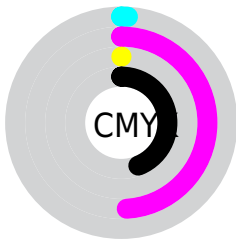
Blue (56%)



Red (56%)

Yellow (29%)

Blue (56%)

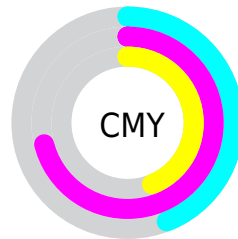


Cyan (1%)

Magenta (49%)

Yellow (0%)

Black (44%)



Cyan (44%)

Magenta (71%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4958, 12.4990, 27.4243 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 18.4958, 12.4990, 27.4243 by changing the saturation by 10% instead.

■ 18.4958, 12.4990,
27.4243

■ 18.4958, 12.4990,
27.4243

236.6429,
207.6814, 303.5306

■ 11.4084, 7.0845,
17.6569

■ 40.4039, 30.4007,
56.5760

■ 6.4115, 3.5150,
10.5370

■ 55.9552, 43.6567,
76.7973

■ 3.1399, 1.4061,
5.6462

■ 75.0585, 60.2953,
101.3404

■ 1.2282, 0.2212,
2.5659

■ 98.0793, 80.7009,
130.6237

■ 0.1284, 0.0000,
0.8748

■ 125.3827,
105.2580, 165.0659

■ 0.0000, 0.0000,
0.0000

157.3342,

134.3508, 205.0854

194.2991,
168.3638, 251.1008

■ 18.4958, 12.4990,
27.4243

■ 18.4958, 12.4990,
27.4243

■ 17.6272, 10.8135,
27.1449

■ 19.5813, 14.6177,
27.7762

■ 16.9593, 9.5296,
26.9323

■ 20.8961, 17.1952,
28.2044

■ 16.4756, 8.6138,
26.7810

■ 22.4531, 20.2569,
28.7133

■ 16.1563, 8.0269,
26.6846

■ 24.2638, 23.8259,
29.3068

■ 15.9555, 7.6768,
26.6276

■ 26.3391, 27.9241,
29.9884

■ 15.9355, 7.6423,
26.6220

■ 28.6892, 32.5717,
30.7616

■ 31.3237, 37.7881,
31.6297

■ 34.2518, 43.5916,
32.5955

■ 37.4824, 49.9999,
33.6622

Harmonies

Analogous

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



15.1778, 12.4990, 39.5132



18.4958, 12.4990, 27.4243



20.0358, 12.4990, 14.8314

Triad

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



18.4958, 12.4990, 27.4243



12.2993, 12.4990, 1.9602



6.7771, 12.4990, 24.2726

Complementary

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



18.4958, 12.4990, 27.4243



13.8494, 21.5821, 9.7397

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.



6.3059, 12.4990, 12.4562



18.4958, 12.4990, 27.4243



9.0981, 12.4990, 2.5657

Square

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



18.4958, 12.4990, 27.4243



16.0390, 12.4990, 2.9762



7.0663, 12.4990, 5.4461



8.5102, 12.4990, 37.1458

Rectangle

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



18.4958, 12.4990, 27.4243



19.6595, 12.4990, 8.7956



7.0663, 12.4990, 5.4461



6.4828, 12.4990, 19.9201

Sweetspot

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



18.4962, 12.4996, 27.4246



41.3339, 38.4910, 51.7890



10.1660, 8.3200, 27.0569



9.3429, 8.5591, 11.8319



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.



18.4962, 12.4996, 27.4246



31.3925, 19.0272, 48.5561



16.4799, 11.7129, 15.9078



5.6188, 5.5072, 6.7956



14.0915, 6.7580, 23.5388



0.1363, 0.0654, 0.2251

Inverse Universe

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



14.9466, 11.0996, 7.8336



24.2640, 16.2197, 9.0388



15.2156, 22.1197, 17.3321



5.4118, 5.4253, 5.6666



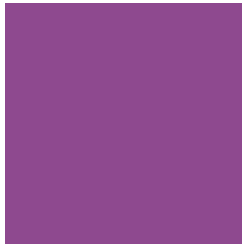
10.0264, 5.1676, 0.5244



0.0964, 0.0496, 0.0076

Previews

White Background



This preview shows how the XYZ color 18.4958, 12.4990, 27.4243 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 18.4958, 12.4990, 27.4243 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 18.4958, 12.4990, 27.4243

Background



This preview shows how black text looks on a background with the XYZ color 18.4958, 12.4990, 27.4243.



This preview shows how white text looks on a background with the XYZ color 18.4958, 12.4990,

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

18.4958, 12.4990, 27.4243

Protanopia

13.8162, 12.8322, 36.8706

Deuteranopia

12.8856, 12.5966, 25.7970



Tritanopia

15.3336, 12.5039, 11.7305

Trichromacy



Original Color

18.4958, 12.4990, 27.4243

Protanomaly

14.6101, 12.1417, 33.0260

Deuteranomaly

14.3694, 12.1640, 26.4015

Tritanomaly

16.2929, 12.4358, 16.5806

Monochromacy



Original Color

18.4958, 12.4990, 27.4243

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.2881, 12.5484, 18.4986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4958, 12.4990, 27.4243 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(142, 73, 143)` looks like.

```
.text, #text, p{  
    color:rgb(142, 73, 143)  
}
```

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(142, 73, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 73, 143) }
```

Border

The CSS property to change the border of an element to XYZ 18.4958, 12.4990, 27.4243 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(142, 73, 143) }
```


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

```
.border{ border-color:rgb(142, 73, 143) }
```

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

Here you see how a box with a 4 pixel rgb(142, 73, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 73, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 73, 143);  
box-shadow:4px 4px 4px 4px rgb(142, 73,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4958, 12.4990, 27.4243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 73, 143) }
```

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

```
.background{ background-color: rgb(142, 73,  
143) }
```

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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