

Converting Colors

XYZ(26.8572, 18.2255, 42.9016)

Have a look what the booklet for
XYZ(26.8572, 18.2255, 42.9016)
contains.

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Color

**XYZ(26.8273, 18.2392,
42.6640)**

Conversions

Conversions Part 1

Format	Color
Hex	A559AF
RGB	165, 89, 175
RGB Percent	65%, 35%, 69%
CMY	0.3529, 0.6510, 0.3137
CMYK	0.06, 0.49, 0.00, 0.31
HSL	293°, 35%, 52%
HSV	293°, 49%, 69%
XYZ	26.8273, 18.2392, 42.6640
YIQ	121.5280, 17.6900, 42.8580

Conversions

Conversions Part 2

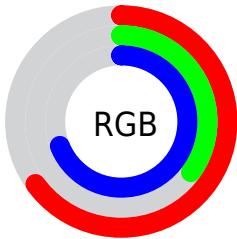
Format	Color
R _Y B	165, 89, 175
Decimal	10836399
CIE Lab	49.78, 44.43, -32.93
CIE LCh	50, 55.299, 323.454
Yxy	18.2392, 0.3058, 0.2079
Android (android.graphics.Color)	4289026479 (0xFFA559AF)
YUV	121.5280, 26.3617, 38.1249
Hunter-Lab	42.7074, 37.3896, -29.3346

Details

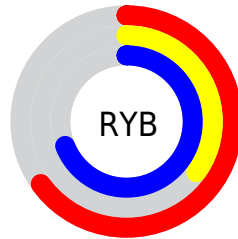
The XYZ color **26.8273, 18.2392, 42.6640** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **22.2792, 34.0343, 14.8470**, and the grayscale version is **18.2586, 19.2095, 20.9192**.

A 20% lighter version of the original color is **54.2210, 40.6451, 80.5888**, and **10.7615, 6.1709, 19.0363** is the 20% darker color. If you saturate the color by 10%, you get **25.1208, 15.4490, 42.2156**, and if you desaturate by 10%, it is **28.8880, 21.7268, 43.2288**.

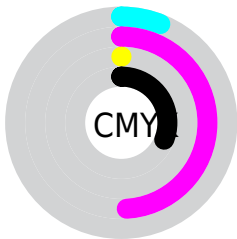
Distribution



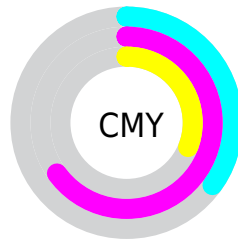
- Red (65%)
- Green (35%)
- Blue (69%)



- Red (65%)
- Yellow (35%)
- Blue (69%)



- Cyan (6%)
- Magenta (49%)
- Yellow (0%)
- Black (31%)





- Cyan (35%)
- Magenta (65%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.8273, 18.2392, 42.6640 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 26.8273, 18.2392, 42.6640 by changing the saturation by 10% instead.

 26.8273, 18.2392,
42.6640


 26.8273, 18.2392,
42.6640


279.0028,
242.2159, 373.1087


 17.5795, 11.1219,
29.2921


 54.0285, 40.4445,
80.4845


 10.7464, 6.1489,
19.0544


 72.7125, 56.3012,
105.7702

 5.9626, 2.9358,
11.5324

 95.2727, 75.8399,
135.8642

 2.8628, 1.0983,
6.3075

 122.0743, 99.4449,
171.1852

 1.0816, 0.0000,
2.9611

153.4828,
127.5006, 212.1515

 0.0097, 0.0000,
1.0748

189.8635,

 0.0000, 0.0000,

160.3914, 259.1819

0.0000

231.5817,
198.5017, 312.6948

■ 26.8273, 18.2392,
42.6640

■ 26.8273, 18.2392,
42.6640

■ 25.1208, 15.4490,
42.2156

■ 28.8880, 21.7268,
43.2288

■ 23.7415, 13.3038,
41.8743

■ 31.3234, 25.9542,
43.9165

■ 22.6618, 11.7480,
41.6309

■ 34.1549, 30.9636,
44.7341

■ 21.8487, 10.7153,
41.4744

■ 37.4014, 36.7930,
45.6882

■ 21.2388, 10.0793,
41.3838

■ 41.0808, 43.4780,
46.7846

■ 21.1890, 10.0294,
41.3768

■ 45.2099, 51.0522,
48.0290

■ 49.8046, 59.5473,
49.4265

■ 54.8800, 68.9935,
50.9823

■ 60.4505, 79.4195,
52.7011

Harmonies

Analogous

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



21.6940, 18.2392, 60.2025



26.8273, 18.2392, 42.6640



29.4905, 18.2392, 23.3585

Triad

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



26.8273, 18.2392, 42.6640



18.5180, 18.2392, 2.7226



9.5967, 18.2392, 33.8088

Complementary

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



26.8273, 18.2392, 42.6640



22.2792, 34.0343, 14.8470

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.



9.0857, 18.2392, 16.7284



26.8273, 18.2392, 42.6640



13.6043, 18.2392, 3.3536

Square

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



26.8273, 18.2392, 42.6640



24.1039, 18.2392, 4.4705



10.3975, 18.2392, 7.0982



11.9704, 18.2392, 53.5289

Rectangle

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



26.8273, 18.2392, 42.6640



29.1892, 18.2392, 13.8389



10.3975, 18.2392, 7.0982



9.2243, 18.2392, 27.4130

Sweetspot

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



26.8279, 18.2400, 42.6644



63.3367, 59.3290, 80.7503



16.3234, 14.1498, 42.4286



13.8178, 12.7220, 17.8716



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



26.8279, 18.2400, 42.6644



44.7502, 27.2859, 75.5450



26.1371, 18.2134, 27.7429



8.2440, 8.1001, 10.0817



15.2074, 7.1996, 29.6326



0.4484, 0.2134, 0.8255

Inverse Universe

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



23.5042, 17.1603, 13.8784



38.3213, 25.2561, 17.2157



22.9612, 34.1885, 23.7912



8.0417, 8.0299, 8.5305



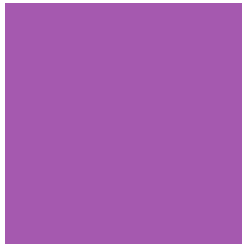
12.7657, 6.5688, 1.1458



0.3668, 0.1874, 0.0935

Previews

White Background



This preview shows how the XYZ color 26.8273, 18.2392, 42.6640 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 26.8273, 18.2392, 42.6640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

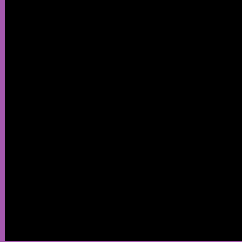
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 26.8273, 18.2392, 42.6640

Background



This preview shows how black text looks on a background with the XYZ color 26.8273, 18.2392, 42.6640.



This preview shows how white text looks on a background with the XYZ color 26.8273, 18.2392,

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

26.8273, 18.2392, 42.6640

Protanopia

20.3005, 18.5456, 56.5425

Deuteranopia

18.8797, 18.5118, 40.6083



Tritanopia

21.7796, 18.2386, 17.7017

Trichromacy



Original Color

26.8273, 18.2392, 42.6640

Protanomaly

21.3877, 17.6032, 50.9857

Deuteranomaly

20.8725, 17.7049, 41.3470

Tritanomaly

23.3322, 18.1465, 25.1946

Monochromacy



Original Color

26.8273, 18.2392, 42.6640

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.8649, 18.4782, 27.6663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8273, 18.2392, 42.6640 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(165, 89, 175)` looks like.

```
.text, #text, p{  
    color:rgb(165, 89, 175)  
}
```

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(165, 89, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 89, 175) }
```

Border

The CSS property to change the border of an element to XYZ 26.8273, 18.2392, 42.6640 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(165, 89, 175) }
```


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

```
.border{ border-color:rgb(165, 89, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 89, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 89, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 89, 175);  
box-shadow:4px 4px 4px 4px rgb(165, 89,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 26.8273, 18.2392, 42.6640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 89, 175) }
```

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

```
.background{ background-color: rgb(165, 89,  
175) }
```

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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