

Converting Colors

XYZ(26.0850, 17.7962, 68.3898)

Have a look what the booklet for
XYZ(26.0850, 17.7962, 68.3898)
contains.

XYZ(26.0850, 17.7962, 68.3898)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(26.0850, 17.7962,
68.3898)**

Conversions

Conversions Part 1

Format	Color
Hex	845DDA
RGB	132, 93, 218
RGB Percent	52%, 36%, 85%
CMY	0.4823, 0.6353, 0.1451
CMYK	0.39, 0.57, 0.00, 0.15
HSL	259°, 63%, 61%
HSV	259°, 57%, 85%
XYZ	26.0850, 17.7962, 68.3898
YIQ	118.9110, -16.8810, 47.1430

Conversions

Conversions Part 2

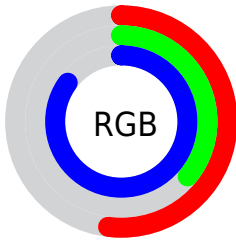
Format	Color
R_{YB}	132, 93, 218
Decimal	8674778
CIE _{Lab}	49.25, 43.69, -58.78
CIE _{LCh}	49, 73.240, 306.619
Yxy	17.7962, 0.2323, 0.1585
Android (android.graphics.Color)	4286864858 (0xFF845DDA)
YUV	118.9110, 48.8509, 11.4791
Hunter-Lab	42.1855, 36.5490, -66.5891

Details

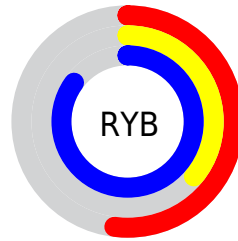
The XYZ color **26.0850, 17.7962, 68.3898** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **45.6373, 60.5168, 19.6318**, and the grayscale version is **17.3615, 18.2657, 19.8913**.

A 20% lighter version of the original color is **49.1617, 38.2896, 99.4073**, and **10.3239, 5.9059, 34.7782** is the 20% darker color. If you saturate the color by 10%, you get **22.2580, 13.3765, 67.7388**, and if you desaturate by 10%, it is **30.7961, 23.4815, 69.2392**.

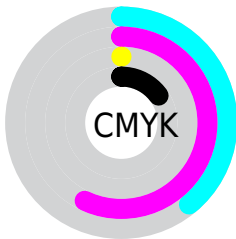
Distribution



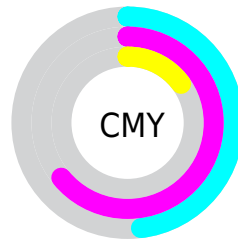
- Red (52%)
- Green (36%)
- Blue (85%)



- Red (52%)
- Yellow (36%)
- Blue (85%)



- Cyan (39%)
- Magenta (57%)
- Yellow (0%)
- Black (15%)



- Cyan (48%)
- Magenta (64%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.0850, 17.7962, 68.3898 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 26.0850, 17.7962, 68.3898 by changing the saturation by 10% instead.

■ 26.0850, 17.7962,
68.3898

■ 26.0850, 17.7962,
68.3898

275.4481,
239.7198, 473.5114

■ 17.0203, 10.8038,
49.7463

■ 52.8424, 39.6897,
118.5691

■ 10.3443, 5.9350,
34.8421

■ 71.2657, 55.3597,
150.9419

■ 5.6919, 2.8056,
23.2587

■ 93.5393, 74.6908,
188.7282

■ 2.6975, 1.0311,
14.5775

■ 120.0284, 98.0677,
232.3466

■ 0.9959, 0.0000,
8.3801

151.0985,
125.8746, 282.2156

■ 0.0000, 0.0000,
4.2479

187.1150,

■ 0.0000, 0.0000,

158.4960, 338.7537

1.7623

228.4430,
196.3163, 402.3794

■ 0.0000, 0.0000,
0.4029

■ 0.0000, 0.0000,
0.0000

■ 26.0850, 17.7962,
68.3898

■ 26.0850, 17.7962,
68.3898

■ 22.2580, 13.3765,
67.7388

■ 30.7961, 23.4815,
69.2392

■ 19.2506, 10.1176,
67.2683

■ 36.4444, 30.5216,
70.3004

■ 16.9923, 7.9004,
66.9593

■ 43.0814, 38.9998,
71.5871

■ 15.3913, 6.5661,
66.7862

■ 50.7541, 48.9919,
73.1113

■ 15.0403, 6.2917,
66.7517

■ 59.5062, 60.5683,
74.8845

■ 69.3790, 73.7951,
76.9172

■ 80.4113, 88.7342,
79.2193

■ 88.5553, 97.2751,
80.4386

■ 89.6550, 97.8420,
80.4901

Harmonies

Analogous

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



18.4842, 17.7962, 86.5230



26.0850, 17.7962, 68.3898



32.1747, 17.7962, 38.6102

Triad

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



26.0850, 17.7962, 68.3898



22.7195, 17.7962, 1.2628



6.8910, 17.7962, 24.0750

Complementary

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



26.0850, 17.7962, 68.3898



45.6373, 60.5168, 19.6318

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.



7.4536, 17.7962, 7.9043



26.0850, 17.7962, 68.3898



15.4368, 17.7962, 0.8501

Square

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



26.0850, 17.7962, 68.3898



29.8924, 17.7962, 4.4342



10.1934, 17.7962, 2.1091



8.3709, 17.7962, 51.8532

Rectangle

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



26.0850, 17.7962, 68.3898



33.8329, 17.7962, 21.6957



10.1934, 17.7962, 2.1091



6.8553, 17.7962, 17.2297

Sweetspot

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



26.0858, 17.7968, 68.3902



72.6124, 70.1681, 104.3244



33.5918, 40.2343, 72.3255



15.0398, 14.3603, 22.2291



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



26.0858, 17.7968, 68.3902



30.6732, 17.8835, 96.4429



38.5619, 24.2285, 68.9741



12.7191, 12.8133, 16.4550



9.1086, 3.8198, 39.9956



0.6773, 0.2924, 2.5952

Inverse Universe

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



40.9645, 25.9890, 45.5040



54.4765, 31.0340, 57.8234



34.5188, 54.7850, 19.1115



13.4324, 13.2021, 15.5384



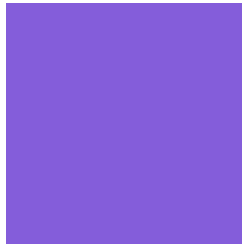
20.6697, 10.2689, 18.4385



1.3772, 0.6805, 1.3954

Previews

White Background



This preview shows how the XYZ color 26.0850, 17.7962, 68.3898 looks on a white background.

Color Contrast Check

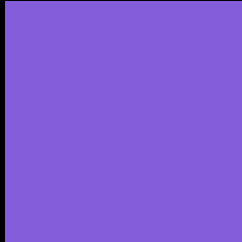
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.0850, 17.7962, 68.3898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

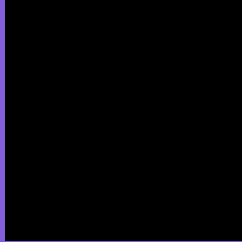
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 26.0850, 17.7962, 68.3898

Background



This preview shows how black text looks on a background with the XYZ color 26.0850, 17.7962, 68.3898.



This preview shows how white text looks on a background with the XYZ color 26.0850, 17.7962,

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

26.0850, 17.7962, 68.3898

Protanopia

21.6662, 18.1356, 84.0199

Deuteranopia

18.3547, 17.8968, 64.1150



Tritanopia

16.7476, 17.6344, 22.5998

Trichromacy



Original Color

26.0850, 17.7962, 68.3898



Protanomaly

21.2652, 16.9474, 77.7517



Deuteranomaly

18.9325, 16.6353, 65.8314



Tritanomaly

19.3155, 17.1851, 35.5567

Monochromacy



Original Color

26.0850, 17.7962, 68.3898



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

19.8045, 17.8035, 33.4030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.0850, 17.7962, 68.3898 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(132, 93, 218)` looks like.

```
.text, #text, p{  
    color:rgb(132, 93, 218)  
}
```

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(132, 93, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 93, 218) }
```

Border

The CSS property to change the border of an element to XYZ 26.0850, 17.7962, 68.3898 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(132, 93, 218) }
```


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

```
.border{ border-color:rgb(132, 93, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 93, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 93, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 93, 218);  
box-shadow:4px 4px 4px 4px rgb(132, 93,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 26.0850, 17.7962, 68.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 93, 218) }
```

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

```
.background{ background-color: rgb(132, 93,  
218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor