

Converting Colors

XYZ(21.3428, 18.3000, 34.2616)

Have a look what the booklet for
XYZ(21.3428, 18.3000, 34.2616)
contains.

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Color

**XYZ(21.2799, 18.2278,
34.2950)**

Conversions

Conversions Part 1

Format	Color
Hex	866C9D
RGB	134, 108, 157
RGB Percent	53%, 42%, 62%
CMY	0.4745, 0.5765, 0.3843
CMYK	0.15, 0.31, 0.00, 0.38
HSL	272°, 20%, 52%
HSV	272°, 31%, 62%
XYZ	21.2799, 18.2278, 34.2950
YIQ	121.3600, -0.2330, 20.7510

Conversions

Conversions Part 2

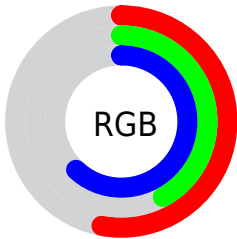
Format	Color
R_{YB}	134, 108, 157
Decimal	8809629
CIE _{Lab}	49.77, 20.11, -22.68
CIE _{LCh}	50, 30.312, 311.566
Yxy	18.2278, 0.2883, 0.2470
Android (android.graphics.Color)	4286999709 (0xFF866C9D)
YUV	121.3600, 17.5705, 11.0853
Hunter-Lab	42.6940, 14.2549, -17.7403

Details

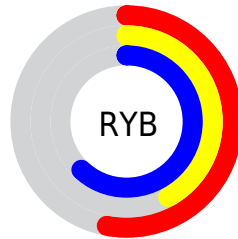
The XYZ color **21.2799, 18.2278, 34.2950** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.1244, 30.0224, 18.7116**, and the grayscale version is **18.2359, 19.1856, 20.8931**.

A 20% lighter version of the original color is **45.1935, 40.5864, 67.7394**, and **7.8218, 6.1365, 14.1368** is the 20% darker color. If you saturate the color by 10%, you get **18.6370, 14.6251, 33.7392**, and if you desaturate by 10%, it is **24.3041, 22.4706, 34.9548**.

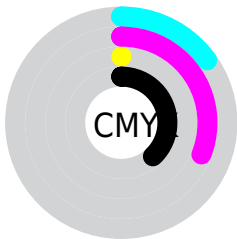
Distribution



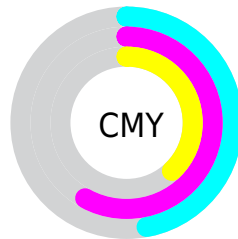
- Red (53%)
- Green (42%)
- Blue (62%)



- Red (53%)
- Yellow (42%)
- Blue (62%)



- Cyan (15%)
- Magenta (31%)
- Yellow (0%)
- Black (38%)



- Cyan (47%)
- Magenta (58%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2799, 18.2278, 34.2950 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 21.2799, 18.2278, 34.2950 by changing the saturation by 10% instead.

■ 21.2799, 18.2278,
34.2950

■ 21.2799, 18.2278,
34.2950

251.4659,
242.1519, 336.2547

■ 13.4424, 11.1137,
22.8411

■ 45.0407, 40.4251,
67.5313

■ 7.8130, 6.1433,
14.2720

■ 61.6946, 56.2771,
90.1508

■ 4.0263, 2.9324,
8.1692

■ 82.0181, 75.8104,
117.3292

■ 1.7170, 1.0966,
4.1141

■ 106.3765, 99.4096,
149.4852

■ 0.4669, 0.0000,
1.6881

135.1351,
127.4589, 187.0371

■ 0.0000, 0.0000,
0.3526

168.6593,

■ 0.0000, 0.0000,

160.3428, 230.4037

0.0000

207.3145,
198.4457, 280.0034

■ 21.2799, 18.2278,
34.2950

■ 21.2799, 18.2278,
34.2950

■ 18.6370, 14.6251,
33.7392

■ 24.3041, 22.4706,
34.9548

■ 16.3559, 11.6272,
33.2808

■ 27.7241, 27.3817,
35.7225

■ 14.4179, 9.1992,
32.9143

■ 31.5560, 32.9903,
36.6031

■ 12.8019, 7.3011,
32.6331

■ 35.8142, 39.3231,
37.6011

■ 11.4839, 5.8878,
32.4297

■ 40.5126, 46.4055,
38.7205

10.4358, 4.9060,
32.2955

45.6643, 54.2617,
39.9653

9.6802, 4.2873,
32.2159

51.2819, 62.9146,
41.3394

57.3773, 72.3862,
42.8464

63.9622, 82.6979,
44.4897

Harmonies

Analogous

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



18.4633, 18.2278, 39.8790



21.2799, 18.2278, 34.2950



23.1499, 18.2278, 25.3169

Triad

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



21.2799, 18.2278, 34.2950



19.1423, 18.2278, 8.2533



12.4310, 18.2278, 23.2122

Complementary

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



21.2799, 18.2278, 34.2950



24.1244, 30.0224, 18.7116

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.



12.5696, 18.2278, 15.2278



21.2799, 18.2278, 34.2950



16.2344, 18.2278, 7.9815

Square

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



21.2799, 18.2278, 34.2950



21.8243, 18.2278, 11.0493



13.8932, 18.2278, 10.1619



13.4909, 18.2278, 32.3903

Rectangle

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



21.2799, 18.2278, 34.2950



23.4950, 18.2278, 19.4151



13.8932, 18.2278, 10.1619



12.3424, 18.2278, 20.2852

Sweetspot

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



21.2805, 18.2286, 34.2954



50.9868, 50.9790, 64.2794



20.4792, 22.0399, 35.0733



11.0220, 10.9307, 14.0993



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.2805, 18.2286, 34.2954



34.9564, 28.3216, 60.7509



25.2840, 20.3004, 34.1200



6.6039, 6.5998, 8.3325



7.9051, 3.5043, 26.1670



0.1900, 0.0877, 0.4702

Inverse Universe

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



23.3645, 19.5327, 24.0122



39.3853, 31.0902, 39.0232



20.9924, 28.4027, 18.7930



6.7561, 6.6954, 7.5670



12.3071, 6.2274, 5.8681



0.2413, 0.1198, 0.2166

Previews

White Background



This preview shows how the XYZ color 21.2799, 18.2278, 34.2950 looks on a white background.

Color Contrast Check

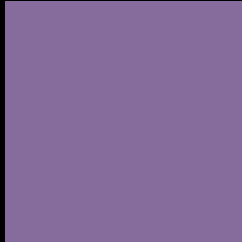
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2799, 18.2278, 34.2950 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 21.2799, 18.2278, 34.2950

Background



This preview shows how black text looks on a background with the XYZ color 21.2799, 18.2278, 34.2950.



This preview shows how white text looks on a background with the XYZ color 21.2799, 18.2278,

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

21.2799, 18.2278, 34.2950

Protanopia

18.8878, 18.4062, 37.6792

Deuteranopia

18.7081, 18.4041, 33.5767



Tritanopia

18.8221, 18.3838, 21.6252

Trichromacy



Original Color

21.2799, 18.2278, 34.2950

Protanomaly

19.6528, 18.3208, 36.2187

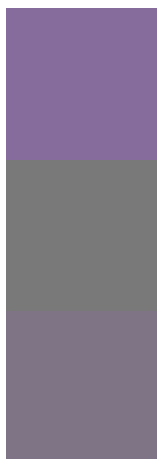
Deuteranomaly

19.6258, 18.3569, 33.9613

Tritanomaly

19.5982, 18.1912, 25.7709

Monochromacy



Original Color

21.2799, 18.2278, 34.2950

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1527, 18.6476, 25.1442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2799, 18.2278, 34.2950 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(134, 108, 157)` looks like.

```
.text, #text, p{  
    color:rgb(134, 108, 157)  
}
```

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(134, 108, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 108, 157) }
```

Border

The CSS property to change the border of an element to XYZ 21.2799, 18.2278, 34.2950 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(134, 108, 157) }
```


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

```
.border{ border-color:rgb(134, 108, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 108, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 108, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 108, 157);  
box-shadow:4px 4px 4px 4px rgb(134, 108,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2799, 18.2278, 34.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 108, 157) }
```

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

```
.background{ background-color: rgb(134,  
108, 157) }
```

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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