

Converting Colors

XYZ(21.8874, 18.2324, 24.5012)

Have a look what the booklet for
XYZ(21.8874, 18.2324, 24.5012)
contains.

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Color

**XYZ(21.8629, 18.2806,
24.5665)**

Conversions

Conversions Part 1

Format	Color
Hex	966985
RGB	150, 105, 133
RGB Percent	59%, 41%, 52%
CMY	0.4118, 0.5882, 0.4784
CMYK	0.00, 0.30, 0.11, 0.41
HSL	323°, 18%, 50%
HSV	323°, 30%, 59%
XYZ	21.8629, 18.2806, 24.5665
YIQ	121.6470, 17.8320, 18.2480

Conversions

Conversions Part 2

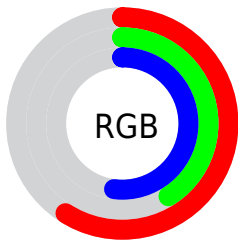
Format	Color
R_{YB}	150, 105, 133
Decimal	9857413
CIE Lab	49.83, 22.59, -8.25
CIE LCh	50, 24.045, 339.938
Yxy	18.2806, 0.3379, 0.2825
Android (android.graphics.Color)	4288047493 (0xFF966985)
YUV	121.6470, 5.5970, 24.8656
Hunter-Lab	42.7558, 16.4521, -4.1376

Details

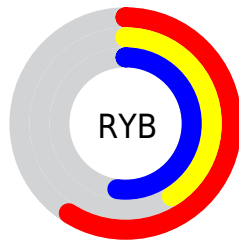
The XYZ color **21.8629, 18.2806, 24.5665** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.2457, 26.2217, 22.4078**, and the grayscale version is **18.3624, 19.3187, 21.0380**.

A 20% lighter version of the original color is **46.0967, 40.6382, 51.8688**, and **8.0615, 6.1475, 8.9453** is the 20% darker color. If you saturate the color by 10%, you get **20.0868, 15.3380, 22.0947**, and if you desaturate by 10%, it is **23.9307, 21.7723, 27.2402**.

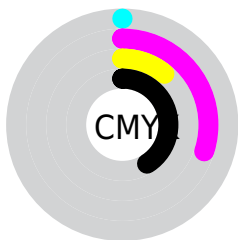
Distribution



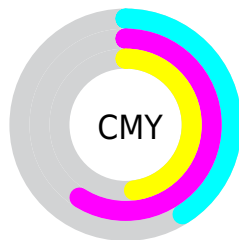
- Red (59%)
- Green (41%)
- Blue (52%)



- Red (59%)
- Yellow (41%)
- Blue (52%)



- Cyan (0%)
- Magenta (30%)
- Yellow (11%)
- Black (41%)



- Cyan (41%)
- Magenta (59%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8629, 18.2806, 24.5665 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 21.8629, 18.2806, 24.5665 by changing the saturation by 10% instead.

■ 21.8629, 18.2806,
24.5665

■ 21.8629, 18.2806,
24.5665

254.4753,
242.4479, 289.0504

■ 13.8722, 11.1516,
15.5383

■ 45.9998, 40.5149,
51.9084

■ 8.1130, 6.1689,
9.0472

■ 62.8768, 56.3890,
71.0593

■ 4.2197, 2.9481,
4.6748

■ 83.4466, 75.9469,
94.4214

■ 1.8272, 1.1047,
2.0024

■ 108.0746, 99.5731,
122.4134

■ 0.5340, 0.0000,
0.5567

137.1261,
127.6519, 155.4537

■ 0.0000, 0.0000,
0.0000

170.9665,

160.5677, 193.9610

209.9611,
198.7049, 238.3537

■ 21.8629, 18.2806,
24.5665

■ 21.8629, 18.2806,
24.5665

■ 20.0868, 15.3380,
22.0947

■ 23.9307, 21.7723,
27.2402

■ 18.5863, 12.9136,
19.8172

■ 26.3020, 25.8369,
30.1207

■ 17.3462, 10.9771,
17.7274

■ 28.9899, 30.5000,
33.2141

■ 16.3489, 9.4942,
15.8178

■ 32.0064, 35.7848,
36.5260

■ 15.5748, 8.4259,
14.0800

■ 35.3626, 41.7133,
40.0615

■ 15.0007, 7.7267,
12.5047

■ 39.0692, 48.3062,
43.8256

■ 14.5684, 7.2804,
11.0704

■ 43.1364, 55.5837,
47.8233

■ 14.5683, 7.2803,
11.0701

■ 47.5740, 63.5647,
52.0591

■ 52.3913, 72.2676,
56.5376

Harmonies

Analogous

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



20.3676, 18.2806, 31.2637



21.8629, 18.2806, 24.5665



22.0988, 18.2806, 17.8002

Triad

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



21.8629, 18.2806, 24.5665



16.6240, 18.2806, 9.8639



14.2039, 18.2806, 29.1792

Complementary

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



21.8629, 18.2806, 24.5665



20.2457, 26.2217, 22.4078

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.



13.3777, 18.2806, 22.1684



21.8629, 18.2806, 24.5665



14.6912, 18.2806, 11.6958

Square

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



21.8629, 18.2806, 24.5665



18.9347, 18.2806, 10.2301



13.5478, 18.2806, 15.8730



15.9037, 18.2806, 34.3073

Rectangle

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



21.8629, 18.2806, 24.5665



21.4905, 18.2806, 14.2355



13.5478, 18.2806, 15.8730



13.8219, 18.2806, 26.9082

Sweetspot

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



21.8634, 18.2814, 24.5669



46.7846, 46.2310, 53.5895



18.5128, 16.4072, 31.0457



10.2363, 10.0181, 11.7206



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.8634, 18.2814, 24.5669



36.4244, 28.6726, 40.3881



20.4992, 17.7357, 17.3827



5.9433, 5.8724, 6.8078



12.0984, 6.0444, 9.2649



0.1624, 0.0797, 0.1891

Inverse Universe

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



21.8634, 18.2814, 24.5669



36.4244, 28.6726, 40.3881



21.7667, 26.8301, 30.4175



5.9433, 5.8724, 6.8078



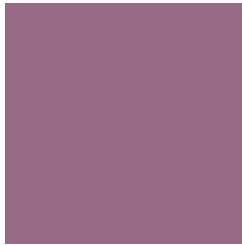
12.0984, 6.0444, 9.2649



0.1624, 0.0797, 0.1891

Previews

White Background



This preview shows how the XYZ color 21.8629, 18.2806, 24.5665 looks on a white background.

Color Contrast Check

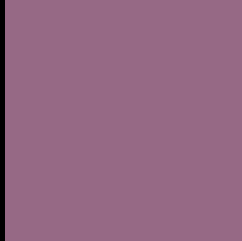
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8629, 18.2806, 24.5665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

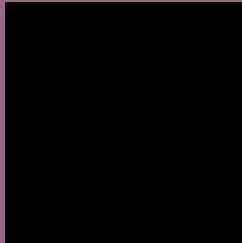
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8629, 18.2806, 24.5665

Background



This preview shows how black text looks on a background with the XYZ color 21.8629, 18.2806, 24.5665.



This preview shows how white text looks on a background with the XYZ color 21.8629, 18.2806,

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

21.8629, 18.2806, 24.5665

Protanopia

18.2256, 18.4574, 27.8013

Deuteranopia

18.7996, 18.4894, 24.0507



Tritanopia

20.7277, 18.2820, 18.9593

Trichromacy



Original Color

21.8629, 18.2806, 24.5665

Protanomaly

19.2450, 18.1573, 26.5351

Deuteranomaly

19.7905, 18.3226, 24.3233

Tritanomaly

21.1650, 18.3101, 20.8310

Monochromacy



Original Color

21.8629, 18.2806, 24.5665

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.5270, 18.9027, 22.3581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8629, 18.2806, 24.5665 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(150, 105, 133)` looks like.

```
.text, #text, p{  
    color:rgb(150, 105, 133)  
}
```

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(150, 105, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 105, 133) }
```

Border

The CSS property to change the border of an element to XYZ 21.8629, 18.2806, 24.5665 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(150, 105, 133) }
```


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

```
.border{ border-color:rgb(150, 105, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 105, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 105, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 105, 133);  
box-shadow:4px 4px 4px 4px rgb(150, 105,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8629, 18.2806, 24.5665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 105, 133) }
```

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

```
.background{ background-color: rgb(150,  
105, 133) }
```

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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