

Converting Colors

XYZ(28.6232, 21.6547, 61.4153)

Have a look what the booklet for
XYZ(28.6232, 21.6547, 61.4153)
contains.

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Color

**XYZ(28.5852, 21.5533,
61.6851)**

Conversions

Conversions Part 1

Format	Color
Hex	926DCF
RGB	146, 109, 207
RGB Percent	57%, 43%, 81%
CMY	0.4274, 0.5725, 0.1882
CMYK	0.29, 0.47, 0.00, 0.19
HSL	263°, 51%, 62%
HSV	263°, 47%, 81%
XYZ	28.5852, 21.5533, 61.6851
YIQ	131.2350, -9.4060, 38.3220

Conversions

Conversions Part 2

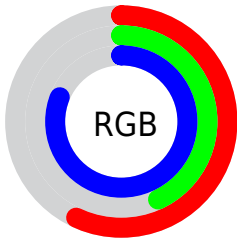
Format	Color
R_{YB}	146, 109, 207
Decimal	9596367
CIE _{Lab}	53.55, 35.21, -45.58
CIE _{LCh}	54, 57.593, 307.689
Yxy	21.5533, 0.2556, 0.1927
Android (android.graphics.Color)	4287786447 (0xFF926DCF)
YUV	131.2350, 37.3521, 12.9489
Hunter-Lab	46.4255, 28.6616, -46.2801

Details

The XYZ color **28.5852, 21.5533, 61.6851** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **41.6511, 54.2763, 22.7499**, and the grayscale version is **21.5312, 22.6525, 24.6685**.

A 20% lighter version of the original color is **55.1520, 45.2663, 100.4382**, and **11.6970, 7.7740, 30.5898** is the 20% darker color. If you saturate the color by 10%, you get **24.4687, 16.5304, 60.9329**, and if you desaturate by 10%, it is **33.4814, 27.7507, 62.6237**.

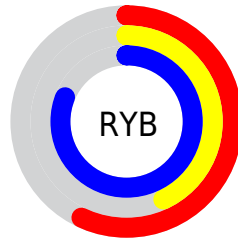
Distribution



Red (57%)

Green (43%)

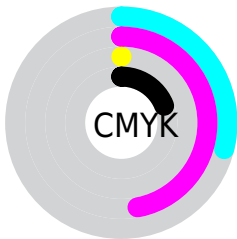
Blue (81%)



Red (57%)

Yellow (43%)

Blue (81%)

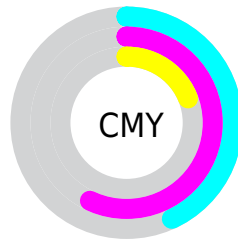


Cyan (29%)

Magenta (47%)

Yellow (0%)

Black (19%)



Cyan (43%)

Magenta (57%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5852, 21.5533, 61.6851 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 28.5852, 21.5533, 61.6851 by changing the saturation by 10% instead.

■ 28.5852, 21.5533,
61.6851

■ 28.5852, 21.5533,
61.6851

287.2824,
260.2045, 448.7574

■ 18.9100, 13.5290,
44.3442

■ 56.8195, 46.0066,
108.8375

■ 11.7089, 7.7938,
30.6020

■ 76.1093, 63.2044,
139.4860

■ 6.6165, 3.9633,
20.0400

■ 99.3347, 84.2288,
175.4074

■ 3.2676, 1.6531,
12.2398

■ 126.8610,
109.4643, 217.0203

■ 1.2968, 0.3930,
6.7827

159.0535,
139.2953, 264.7432

■ 0.1808, 0.0000,
3.2502

196.2777,

■ 0.0000, 0.0000,

174.1060, 318.9947

1.2238

238.8989,
214.2810, 380.1932

■ 0.0000, 0.0000,
0.0000

■ 28.5852, 21.5533,
61.6851

■ 28.5852, 21.5533,
61.6851

■ 24.4687, 16.5304,
60.9329

■ 33.4814, 27.7507,
62.6237

■ 21.0839, 12.6012,
60.3529

■ 39.1965, 35.1914,
63.7586

■ 18.3807, 9.6778,
59.9311

■ 45.7697, 43.9413,
65.1011

■ 16.3003, 7.6571,
59.6507

■ 53.2368, 54.0613,
66.6609

■ 14.7655, 6.3995,
59.4889

■ 61.6317, 65.6081,
68.4472

■ 14.4172, 6.1313,
59.4555

■ 70.9861, 78.6352,
70.4686

■ 81.3304, 93.1934,
72.7334

■ 86.1177, 96.1793,
73.0575

■ 88.2626, 97.2850,
73.1578

Harmonies

Analogous

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



22.1064, 21.5533, 75.4583



28.5852, 21.5533, 61.6851



33.4651, 21.5533, 38.7879

Triad

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



28.5852, 21.5533, 61.6851



25.3030, 21.5533, 4.0264



10.8713, 21.5533, 28.2889

Complementary

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



28.5852, 21.5533, 61.6851



41.6511, 54.2763, 22.7499

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.



11.3891, 21.5533, 12.8292



28.5852, 21.5533, 61.6851



18.9463, 21.5533, 3.3771

Square

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



28.5852, 21.5533, 61.6851



31.3215, 21.5533, 8.2711



14.0820, 21.5533, 5.5911



12.4909, 21.5533, 50.8053

Rectangle

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



28.5852, 21.5533, 61.6851



34.6926, 21.5533, 24.8581



14.0820, 21.5533, 5.5911



10.8082, 21.5533, 22.1305

Sweetspot

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



28.5860, 21.5541, 61.6856



76.9920, 75.3262, 105.0892



32.1453, 36.9079, 64.4616



15.9400, 15.3954, 22.3814



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.



28.5860, 21.5541, 61.6856



39.0074, 26.2453, 97.6177



38.9627, 26.9035, 62.1712



11.5795, 11.6320, 14.8786



9.1806, 3.9131, 37.4639



0.6004, 0.2637, 2.0988

Inverse Universe

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



38.4570, 27.1056, 41.2355



57.2178, 36.5123, 58.7500



33.1093, 49.8728, 22.3501



12.1137, 11.9302, 13.8744



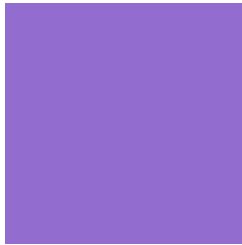
18.7497, 9.3727, 14.1200



1.0863, 0.5392, 0.9891

Previews

White Background



This preview shows how the XYZ color 28.5852, 21.5533, 61.6851 looks on a white background.

Color Contrast Check

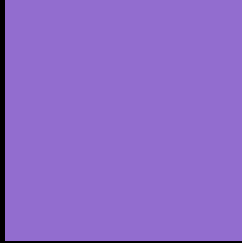
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.5852, 21.5533, 61.6851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

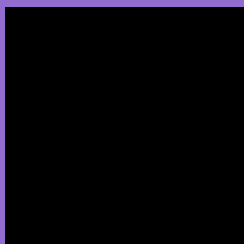
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5852, 21.5533, 61.6851

Background



This preview shows how black text looks on a background with the XYZ color 28.5852, 21.5533, 61.6851.

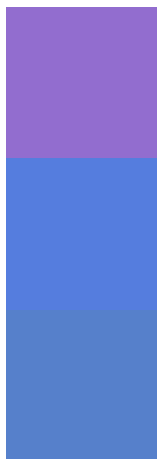


This preview shows how white text looks on a background with the XYZ color 28.5852, 21.5533,

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

28.5852, 21.5533, 61.6851

Protanopia

24.2647, 21.8725, 72.0502

Deuteranopia

22.3364, 21.7286, 59.5167



Tritanopia

21.4205, 21.6048, 26.3337

Trichromacy



Original Color

28.5852, 21.5533, 61.6851

Protanomaly

25.1846, 21.3292, 68.4352

Deuteranomaly

23.9208, 21.2225, 59.9623

Tritanomaly

23.5546, 21.3599, 37.0638

Monochromacy



Original Color

28.5852, 21.5533, 61.6851

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.4943, 21.9034, 35.7904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5852, 21.5533, 61.6851 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(146, 109, 207)` looks like.

```
.text, #text, p{  
    color:rgb(146, 109, 207)  
}
```

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(146, 109, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 109, 207) }
```

Border

The CSS property to change the border of an element to XYZ 28.5852, 21.5533, 61.6851 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(146, 109, 207) }
```


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

```
.border{ border-color:rgb(146, 109, 207) }
```

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

Here you see how a box with a 4 pixel rgb(146, 109, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 109, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 109, 207);  
box-shadow:4px 4px 4px 4px rgb(146, 109,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5852, 21.5533, 61.6851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 109, 207) }
```

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

```
.background{ background-color: rgb(146,  
109, 207) }
```

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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