

Converting Colors

XYZ(28.4683, 21.3488, 51.9112)

Have a look what the booklet for
XYZ(28.4683, 21.3488, 51.9112)
contains.

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Color

**XYZ(28.5663, 21.4451,
51.9239)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6BBF
RGB	157, 107, 191
RGB Percent	62%, 42%, 75%
CMY	0.3843, 0.5804, 0.2510
CMYK	0.18, 0.44, 0.00, 0.25
HSL	276°, 40%, 58%
HSV	276°, 44%, 75%
XYZ	28.5663, 21.4451, 51.9239
YIQ	131.5260, 2.8360, 36.7240

Conversions

Conversions Part 2

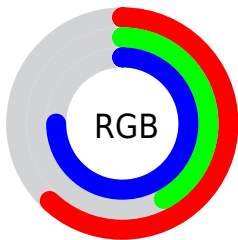
Format	Color
R _Y B	157, 107, 191
Decimal	10316735
CIE Lab	53.43, 35.64, -36.54
CIE LCh	53, 51.044, 314.284
Yxy	21.4451, 0.2802, 0.2104
Android (android.graphics.Color)	4288506815 (0xFF9D6BBF)
YUV	131.5260, 29.3207, 22.3407
Hunter-Lab	46.3089, 29.0699, -34.0628

Details

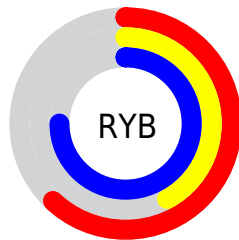
The XYZ color **28.5663, 21.4451, 51.9239** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **32.2698, 43.9863, 20.7002**, and the grayscale version is **21.6598, 22.7878, 24.8159**.

A 20% lighter version of the original color is **56.7820, 45.7197, 94.6390**, and **11.7373, 7.7753, 24.5491** is the 20% darker color. If you saturate the color by 10%, you get **25.3298, 17.1403, 51.2639**, and if you desaturate by 10%, it is **32.3396, 26.6805, 52.7359**.

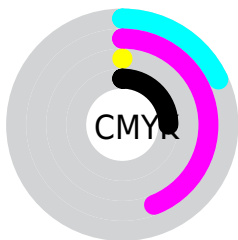
Distribution



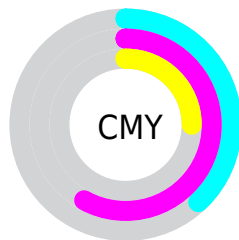
- Red (62%)
- Green (42%)
- Blue (75%)



- Red (62%)
- Yellow (42%)
- Blue (75%)



- Cyan (18%)
- Magenta (44%)
- Yellow (0%)
- Black (25%)



- Cyan (38%)
- Magenta (58%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5663, 21.4451, 51.9239 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 28.5663, 21.4451, 51.9239 by changing the saturation by 10% instead.

■ 28.5663, 21.4451,
51.9239

■ 28.5663, 21.4451,
51.9239

287.1944,
259.6346, 411.0913

■ 18.8956, 13.4497,
36.5626

■ 56.7897, 45.8271,
94.4444

■ 11.6984, 7.7390,
24.5759

■ 76.0730, 62.9826,
122.4408

■ 6.6094, 3.9284,
15.5452

■ 99.2913, 83.9602,
155.4858

■ 3.2632, 1.6336,
9.0521

■ 126.8099,
109.1444, 193.9982

■ 1.2944, 0.3801,
4.6779

158.9942,
138.9195, 238.3964

■ 0.1790, 0.0000,
2.0041

196.2094,

■ 0.0000, 0.0000,

173.6700, 289.0989

0.5578

238.8210,
213.7802, 346.5244

■ 0.0000, 0.0000,
0.0000

■ 28.5663, 21.4451,
51.9239

■ 28.5663, 21.4451,
51.9239

■ 25.3298, 17.1403,
51.2639

■ 32.3396, 26.6805,
52.7359

■ 22.5966, 13.7039,
50.7447

■ 36.6758, 32.8978,
53.7074

■ 20.3331, 11.0702,
50.3556

■ 41.6016, 40.1479,
54.8472

■ 18.4995, 9.1626,
50.0841

■ 47.1416, 48.4772,
56.1629

■ 17.0480, 7.8886,
49.9147

■ 53.3186, 57.9291,
57.6618

■ 16.3034, 7.3184,
49.8438

■ 60.1544, 68.5448,
59.3505

■ 67.6695, 80.3633,
61.2356

■ 74.3321, 90.3183,
62.8060

■ 76.7103, 91.5443,
62.9173

Harmonies

Analogous

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



23.0658, 21.4451, 65.9030



28.5663, 21.4451, 51.9239



32.1607, 21.4451, 32.4112

Triad

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



28.5663, 21.4451, 51.9239



23.3405, 21.4451, 4.7847



11.8545, 21.4451, 31.5217

Complementary

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



28.5663, 21.4451, 51.9239



32.2698, 43.9863, 20.7002

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.



11.9016, 21.4451, 16.1579



28.5663, 21.4451, 51.9239



17.9166, 21.4451, 4.7178

Square

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



28.5663, 21.4451, 51.9239



28.7979, 21.4451, 8.0880



13.9338, 21.4451, 7.8303



13.7912, 21.4451, 51.0293

Rectangle

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



28.5663, 21.4451, 51.9239



32.6522, 21.4451, 21.1894



13.9338, 21.4451, 7.8303



11.6514, 21.4451, 25.6529

Sweetspot

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



28.5671, 21.4460, 51.9244



75.2343, 72.9862, 98.4016



25.1411, 26.2342, 53.0292



16.0628, 15.3461, 21.5008



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.5671, 21.4460, 51.9244



45.4395, 30.7941, 91.8281



35.3958, 25.0532, 48.3180



9.5462, 9.4985, 12.0025



10.8073, 4.8574, 32.7609



0.4956, 0.2275, 1.2866

Inverse Universe

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



31.5519, 23.5156, 28.0760



51.9473, 35.2639, 41.7608



27.7322, 41.6028, 22.4890



9.6859, 9.5987, 10.7349



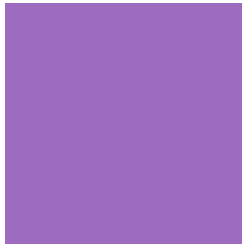
15.0454, 7.6493, 5.5328



0.6218, 0.3126, 0.3879

Previews

White Background



This preview shows how the XYZ color 28.5663, 21.4451, 51.9239 looks on a white background.

Color Contrast Check

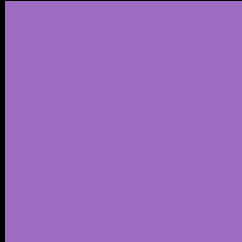
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5663, 21.4451, 51.9239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

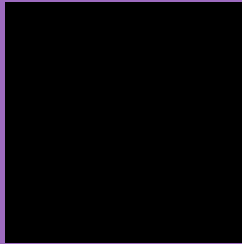
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5663, 21.4451, 51.9239

Background



This preview shows how black text looks on a background with the XYZ color 28.5663, 21.4451, 51.9239.



This preview shows how white text looks on a background with the XYZ color 28.5663, 21.4451,

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

28.5663, 21.4451, 51.9239

Protanopia

23.4200, 21.6590, 61.9777

Deuteranopia

22.1525, 21.6502, 50.0250



Tritanopia

22.8993, 21.4895, 24.0601

Trichromacy



Original Color

28.5663, 21.4451, 51.9239

Protanomaly

24.4923, 21.0255, 58.0258

Deuteranomaly

23.9620, 21.2747, 50.4205

Tritanomaly

24.6754, 21.3371, 32.5237

Monochromacy



Original Color

28.5663, 21.4451, 51.9239

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.8172, 22.1285, 33.1529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5663, 21.4451, 51.9239 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(157, 107, 191)` looks like.

```
.text, #text, p{  
    color:rgb(157, 107, 191)  
}
```

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(157, 107, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 107, 191) }
```

Border

The CSS property to change the border of an element to XYZ 28.5663, 21.4451, 51.9239 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(157, 107, 191) }
```


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

```
.border{ border-color:rgb(157, 107, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 107, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 107, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 107, 191);  
box-shadow:4px 4px 4px 4px rgb(157, 107,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5663, 21.4451, 51.9239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 107, 191) }
```

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

```
.background{ background-color: rgb(157,  
107, 191) }
```

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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