

Converting Colors

XYZ(28.7825, 19.7352, 55.7184)

Have a look what the booklet for
XYZ(28.7825, 19.7352, 55.7184)
contains.

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Color

**XYZ(28.7825, 19.7352,
55.7184)**

Conversions

Conversions Part 1

Format	Color
Hex	A05FC6
RGB	160, 95, 198
RGB Percent	63%, 37%, 78%
CMY	0.3725, 0.6274, 0.2235
CMYK	0.19, 0.52, 0.00, 0.22
HSL	278°, 47%, 57%
HSV	278°, 52%, 78%
XYZ	28.7825, 19.7352, 55.7184
YIQ	126.1770, 5.6770, 45.8130

Conversions

Conversions Part 2

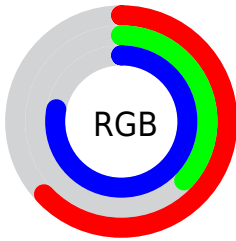
Format	Color
R_{YB}	160, 95, 198
Decimal	10510278
CIE _{Lab}	51.54, 44.66, -43.53
CIE _{LCh}	52, 62.363, 315.733
Yxy	19.7352, 0.2761, 0.1893
Android (android.graphics.Color)	4288700358 (0xFFA05FC6)
YUV	126.1770, 35.4087, 29.6628
Hunter-Lab	44.4243, 37.9075, -43.2664

Details

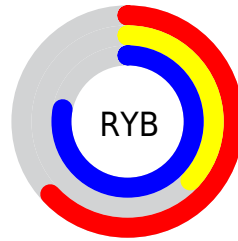
The XYZ color **28.7825, 19.7352, 55.7184** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **31.9329, 46.2014, 18.0618**, and the grayscale version is **19.7740, 20.8038, 22.6554**.

A 20% lighter version of the original color is **57.2552, 43.1515, 99.9191**, and **11.9163, 6.9546, 27.0999** is the 20% darker color. If you saturate the color by 10%, you get **25.8028, 15.8799, 55.1316**, and if you desaturate by 10%, it is **32.3027, 24.5428, 56.4612**.

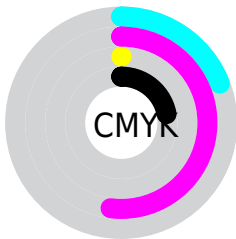
Distribution



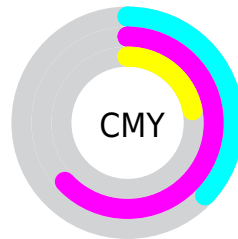
- Red (63%)
- Green (37%)
- Blue (78%)



- Red (63%)
- Yellow (37%)
- Blue (78%)



- Cyan (19%)
- Magenta (52%)
- Yellow (0%)
- Black (22%)



- Cyan (37%)
- Magenta (63%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7825, 19.7352, 55.7184 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 28.7825, 19.7352, 55.7184 by changing the saturation by 10% instead.

■ 28.7825, 19.7352,
55.7184

■ 28.7825, 19.7352,
55.7184

288.2001,
250.4780, 425.9879

■ 19.0598, 12.2027,
39.5747

■ 57.1313, 42.9728,
100.0744

■ 11.8178, 6.8819,
26.8958

■ 76.4881, 59.4467,
129.1238

■ 6.6910, 3.3883,
17.2633

■ 99.7870, 79.6698,
163.3122

■ 3.3142, 1.3377,
10.2584

■ 127.3933,
104.0266, 203.0581

■ 1.3220, 0.1701,
5.4628

159.6724,
132.9014, 248.7801

■ 0.1996, 0.0000,
2.4578

196.9897,

■ 0.0000, 0.0000,

166.6786, 300.8967

0.8177

239.7105,
205.7427, 359.8264

■ 0.0000, 0.0000,
0.0000

■ 28.7825, 19.7352,
55.7184

■ 28.7825, 19.7352,
55.7184

■ 25.8028, 15.8799,
55.1316

■ 32.3027, 24.5428,
56.4612

■ 23.3249, 12.9035,
54.6877

■ 36.3940, 30.3637,
57.3691

■ 21.3079, 10.7259,
54.3737

■ 41.0870, 37.2566,
58.4522

■ 19.7021, 9.2500,
54.1735

■ 46.4096, 45.2750,
59.7194

■ 18.6438, 8.4337,
54.0717

■ 52.3876, 54.4686,
61.1788

■ 59.0453, 64.8842,
62.8384

■ 66.4058, 76.5661,
64.7052

■ 74.4910, 89.5561,
66.7864

■ 77.2371, 91.7247,
67.0603

Harmonies

Analogous

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



22.2202, 19.7352, 74.7951



28.7825, 19.7352, 55.7184



33.0348, 19.7352, 31.1690

Triad

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



28.7825, 19.7352, 55.7184



21.8882, 19.7352, 2.3905



9.3823, 19.7352, 32.2755

Complementary

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



28.7825, 19.7352, 55.7184



31.9329, 46.2014, 18.0618

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.



9.3321, 19.7352, 14.0535



28.7825, 19.7352, 55.7184



15.6751, 19.7352, 2.4438

Square

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



28.7825, 19.7352, 55.7184



28.4933, 19.7352, 5.0345



11.3816, 19.7352, 5.2757



11.5387, 19.7352, 56.9059

Rectangle

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



28.7825, 19.7352, 55.7184



33.4911, 19.7352, 18.2206



11.3816, 19.7352, 5.2757



9.1379, 19.7352, 25.1250

Sweetspot

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



28.7833, 19.7360, 55.7188



78.0647, 73.9306, 104.7633



23.5050, 23.6949, 56.7612



16.2890, 15.1917, 22.3237



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.



28.7833, 19.7360, 55.7188



45.2560, 27.5772, 97.5454



36.2426, 23.7353, 49.1167



10.6891, 10.6135, 13.4027



12.2214, 5.5346, 35.1685



0.6565, 0.3022, 1.6689

Inverse Universe

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



31.6150, 21.8843, 24.7485



51.4409, 32.1651, 34.6075



27.5687, 43.8834, 20.9325



10.7929, 10.7006, 11.8929



15.9664, 8.1361, 5.0328



0.7909, 0.3992, 0.4219

Previews

White Background



This preview shows how the XYZ color 28.7825, 19.7352, 55.7184 looks on a white background.

Color Contrast Check

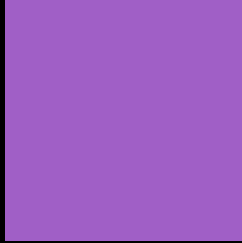
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7825, 19.7352, 55.7184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

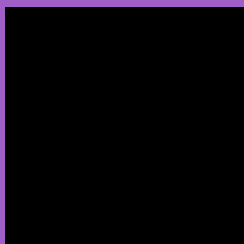
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7825, 19.7352, 55.7184

Background



This preview shows how black text looks on a background with the XYZ color 28.7825, 19.7352, 55.7184.



This preview shows how white text looks on a background with the XYZ color 28.7825, 19.7352,

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

28.7825, 19.7352, 55.7184

Protanopia

22.5917, 20.1092, 71.0974

Deuteranopia

20.4351, 19.9501, 52.6429



Tritanopia

21.8052, 19.7606, 21.4038

Trichromacy



Original Color

28.7825, 19.7352, 55.7184

Protanomaly

23.5204, 19.1762, 65.4125

Deuteranomaly

22.4528, 19.2160, 53.5646

Tritanomaly

23.7116, 19.3928, 31.3476

Monochromacy



Original Color

28.7825, 19.7352, 55.7184

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.2795, 19.9317, 32.3787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7825, 19.7352, 55.7184 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(160, 95, 198)` looks like.

```
.text, #text, p{  
    color:rgb(160, 95, 198)  
}
```

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(160, 95, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 95, 198) }
```

Border

The CSS property to change the border of an element to XYZ 28.7825, 19.7352, 55.7184 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(160, 95, 198) }
```


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

```
.border{ border-color:rgb(160, 95, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 95, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 95, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 95, 198);  
box-shadow:4px 4px 4px 4px rgb(160, 95,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7825, 19.7352, 55.7184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 95, 198) }
```

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

```
.background{ background-color: rgb(160, 95,  
198) }
```

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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