

Converting Colors

XYZ(28.2502, 18.7396, 55.7523)

Have a look what the booklet for
XYZ(28.2502, 18.7396, 55.7523)
contains.

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Color

**XYZ(28.2626, 18.6956,
55.5451)**

Conversions

Conversions Part 1

Format	Color
Hex	A059C6
RGB	160, 89, 198
RGB Percent	63%, 35%, 78%
CMY	0.3725, 0.6510, 0.2235
CMYK	0.19, 0.55, 0.00, 0.22
HSL	279°, 49%, 56%
HSV	279°, 55%, 78%
XYZ	28.2626, 18.6956, 55.5451
YIQ	122.6550, 7.3270, 48.9510

Conversions

Conversions Part 2

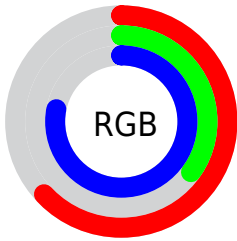
Format	Color
R_{YB}	160, 89, 198
Decimal	10508742
CIE _{Lab}	50.33, 47.83, -45.44
CIE _{LCh}	50, 65.975, 316.464
Yxy	18.6956, 0.2757, 0.1824
Android (android.graphics.Color)	4288698822 (0xFFA059C6)
YUV	122.6550, 37.1451, 32.7516
Hunter-Lab	43.2384, 41.0085, -45.8985

Details

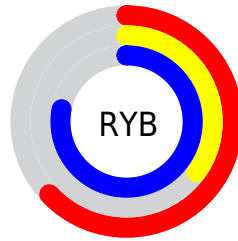
The XYZ color **28.2626, 18.6956, 55.5451** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **30.7503, 45.6219, 16.6372**, and the grayscale version is **18.5941, 19.5624, 21.3035**.

A 20% lighter version of the original color is **56.3383, 41.3177, 99.6135**, and **11.4452, 6.3096, 26.6012** is the 20% darker color. If you saturate the color by 10%, you get **25.4893, 15.1405, 55.0054**, and if you desaturate by 10%, it is **31.5570, 23.1778, 56.2369**.

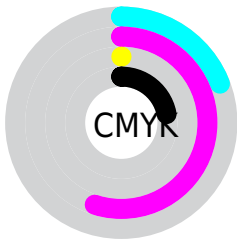
Distribution



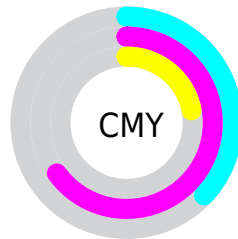
- Red (63%)
- Green (35%)
- Blue (78%)



- Red (63%)
- Yellow (35%)
- Blue (78%)



- Cyan (19%)
- Magenta (55%)
- Yellow (0%)
- Black (22%)





- Cyan (37%)
- Magenta (65%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2626, 18.6956, 55.5451 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 28.2626, 18.6956, 55.5451 by changing the saturation by 10% instead.


 28.2626, 18.6956,
55.5451


 28.2626, 18.6956,
55.5451

285.7770,
244.7631, 425.3150


 18.6652, 11.4505,
39.4368


 56.3091, 41.2191,
99.8183

 11.5312, 6.3707,
26.7892


 75.4890, 57.2663,
128.8203

 6.4952, 3.0718,
17.1840


 98.5936, 77.0164,
162.9572

 3.1920, 1.1693,
10.2024

 125.9885,
100.8537, 202.6476

 1.2561, 0.0364,
5.4260

158.0389,
129.1626, 248.3100

 0.1500, 0.0000,
2.4362

195.1102,

 0.0000, 0.0000,

162.3276, 300.3630

0.8061

237.5678,
200.7329, 359.2252

■ 0.0000, 0.0000,
0.0000

■ 28.2626, 18.6956,
55.5451

■ 28.2626, 18.6956,
55.5451

■ 25.4893, 15.1405,
55.0054

■ 31.5570, 23.1778,
56.2369

■ 23.1974, 12.4368,
54.6043

■ 35.4039, 28.6501,
57.0904

■ 21.3440, 10.5001,
54.3282

■ 39.8346, 35.1727,
58.1159

■ 19.8765, 9.2272,
54.1598

■ 44.8771, 42.8000,
59.3224

■ 19.2423, 8.7423,
54.0997

■ 50.5578, 51.5830,
60.7182

■ 56.9012, 61.5690,
62.3114

■ 63.9304, 72.8028,
64.1093

■ 71.6676, 85.3271,
66.1189

■ 76.1160, 91.1468,
67.0078

Harmonies

Analogous

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



21.4889, 18.6956, 76.2828



28.2626, 18.6956, 55.5451



32.6135, 18.6956, 29.7663

Triad

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



28.2626, 18.6956, 55.5451



20.8073, 18.6956, 1.7236



8.3905, 18.6956, 32.0624

Complementary

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



28.2626, 18.6956, 55.5451



30.7503, 45.6219, 16.6372

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.



8.2922, 18.6956, 13.1734



28.2626, 18.6956, 55.5451



14.5063, 18.6956, 1.8150

Square

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



28.2626, 18.6956, 55.5451



27.6615, 18.6956, 4.0084



10.2603, 18.6956, 4.4548



10.5715, 18.6956, 58.0672

Rectangle

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



28.2626, 18.6956, 55.5451



33.0101, 18.6956, 16.6423



10.2603, 18.6956, 4.4548



8.1347, 18.6956, 24.5855

Sweetspot

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



28.2633, 18.6964, 55.5455



77.4030, 72.6377, 104.5486



21.9223, 21.4194, 56.4053



16.1692, 14.9425, 22.2819



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.



28.2633, 18.6964, 55.5455



44.2840, 25.7676, 97.2474



35.2690, 22.5142, 46.5539



10.7103, 10.6245, 13.4037



12.6090, 5.7344, 35.1866



0.6731, 0.3107, 1.6696

Inverse Universe

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



30.6924, 20.6836, 22.4541



49.7636, 30.0838, 30.1231



26.8824, 43.5396, 20.4471



10.7840, 10.6970, 11.8458



15.8811, 8.1020, 4.5840



0.7862, 0.3973, 0.3976

Previews

White Background



This preview shows how the XYZ color 28.2626, 18.6956, 55.5451 looks on a white background.

Color Contrast Check

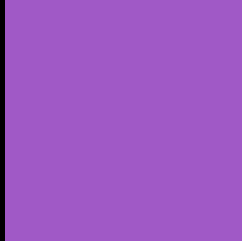
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2626, 18.6956, 55.5451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

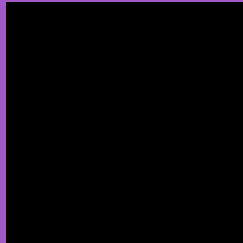
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2626, 18.6956, 55.5451

Background



This preview shows how black text looks on a background with the XYZ color 28.2626, 18.6956, 55.5451.



This preview shows how white text looks on a background with the XYZ color 28.2626, 18.6956,

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

28.2626, 18.6956, 55.5451

Protanopia

22.0018, 19.2156, 73.7835

Deuteranopia

19.4553, 18.9010, 52.4920



Tritanopia

20.8786, 18.6629, 19.6414

Trichromacy



Original Color

28.2626, 18.6956, 55.5451

Protanomaly

22.5604, 18.0184, 66.5788

Deuteranomaly

21.3906, 18.0205, 53.3898

Tritanomaly

22.9667, 18.2847, 29.9226

Monochromacy



Original Color

28.2626, 18.6956, 55.5451

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.3428, 18.8051, 31.3590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2626, 18.6956, 55.5451 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, 89, 198)` looks like.

```
.text, #text, p{  
    color:rgb(160, 89, 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, 89, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 89, 198) }
```

Border

The CSS property to change the border of an element to XYZ 28.2626, 18.6956, 55.5451 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, 89, 198) }
```


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

```
.border{ border-color:rgb(160, 89, 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, 89, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 89, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 89, 198);  
box-shadow:4px 4px 4px 4px rgb(160, 89,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2626, 18.6956, 55.5451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 89, 198) }
```

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

```
.background{ background-color: rgb(160, 89,  
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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