

Converting Colors

XYZ(27.7290, 17.5564, 55.8217)

Have a look what the booklet for
XYZ(27.7290, 17.5564, 55.8217)
contains.

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Color

**XYZ(27.8233, 17.6317,
55.9696)**

Conversions

Conversions Part 1

Format	Color
Hex	A052C7
RGB	160, 82, 199
RGB Percent	63%, 32%, 78%
CMY	0.3725, 0.6784, 0.2196
CMYK	0.20, 0.59, 0.00, 0.22
HSL	280°, 51%, 55%
HSV	280°, 59%, 78%
XYZ	27.8233, 17.6317, 55.9696
YIQ	118.6600, 8.9310, 52.9230

Conversions

Conversions Part 2

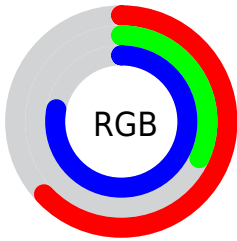
Format	Color
R_{YB}	160, 82, 199
Decimal	10506951
CIE _{Lab}	49.05, 51.62, -48.06
CIE _{LCh}	49, 70.531, 317.043
Yxy	17.6317, 0.2743, 0.1738
Android (android.graphics.Color)	4288697031 (0xFFA052C7)
YUV	118.6600, 39.6076, 36.2552
Hunter-Lab	41.9901, 44.7941, -49.6359

Details

The XYZ color **27.8233, 17.6317, 55.9696** 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 **29.8320, 45.5213, 15.1975**, and the grayscale version is **17.3051, 18.2063, 19.8267**.

A 20% lighter version of the original color is **55.3292, 39.2997, 99.2772**, and **11.2750, 5.8474, 26.9200** is the 20% darker color. If you saturate the color by 10%, you get **25.2437, 14.3883, 55.4798**, and if you desaturate by 10%, it is **30.9101, 21.7831, 56.6085**.

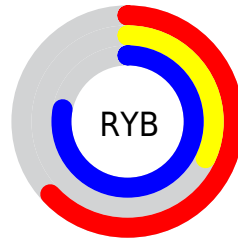
Distribution



Red (63%)

Green (32%)

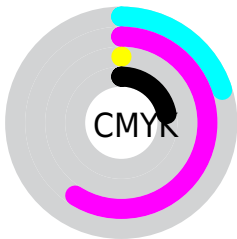
Blue (78%)



Red (63%)

Yellow (32%)

Blue (78%)

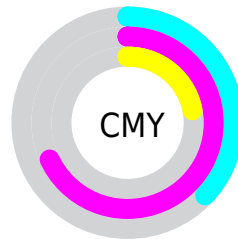


Cyan (20%)

Magenta (59%)

Yellow (0%)

Black (22%)



Cyan (37%)

Magenta (68%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8233, 17.6317, 55.9696 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 27.8233, 17.6317, 55.9696 by changing the saturation by 10% instead.

■ 27.8233, 17.6317,
55.9696

■ 27.8233, 17.6317,
55.9696

283.7170,
238.7868, 426.9620

■ 18.3323, 10.6859,
39.7747

■ 55.6128, 39.4087,
100.4455

■ 11.2899, 5.8560,
27.0505

■ 74.6420, 55.0088,
129.5636

■ 6.3309, 2.7577,
17.3784

■ 97.5814, 74.2623,
163.8264

■ 3.0899, 1.0066,
10.3398

■ 124.7961, 97.5538,
203.6527

■ 1.2015, 0.0000,
5.5163

■ 156.6517,
125.2676, 249.4608

■ 0.1075, 0.0000,
2.4893

193.5135,

■ 0.0000, 0.0000,

157.7881, 301.6694

0.8345

235.7468,
195.4997, 360.6970

■ 0.0000, 0.0000,
0.0000

■ 27.8233, 17.6317,
55.9696

■ 27.8233, 17.6317,
55.9696

■ 25.2437, 14.3883,
55.4798

■ 30.9101, 21.7831,
56.6085

■ 23.1293, 11.9725,
55.1250

■ 34.5373, 26.9092,
57.4068

■ 21.4341, 10.2934,
54.8902

■ 38.7373, 33.0729,
58.3751

■ 20.0821, 9.2005,
54.7505

■ 43.5393, 40.3309,
59.5230

■ 19.9294, 9.0831,
54.7359

■ 48.9705, 48.7359,
60.8590

■ 55.0561, 58.3372,
62.3915

■ 61.8199, 69.1809,
64.1281

■ 69.2847, 81.3110,
66.0760

■ 75.4936, 90.8126,
67.5827

Harmonies

Analogous

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



20.7453, 17.6317, 78.8241



27.8233, 17.6317, 55.9696



32.3522, 17.6317, 28.5181

Triad

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



27.8233, 17.6317, 55.9696



19.7571, 17.6317, 1.1137



7.3416, 17.6317, 31.8912

Complementary

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



27.8233, 17.6317, 55.9696



29.8320, 45.5213, 15.1975

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.



7.2078, 17.6317, 12.1680



27.8233, 17.6317, 55.9696



13.3181, 17.6317, 1.2169

Square

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



27.8233, 17.6317, 55.9696



26.9387, 17.6317, 3.0184



9.1018, 17.6317, 3.5823



9.5330, 17.6317, 59.7803

Rectangle

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



27.8233, 17.6317, 55.9696



32.7048, 17.6317, 15.0902



9.1018, 17.6317, 3.5823



7.0795, 17.6317, 23.9906

Sweetspot

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



27.8240, 17.6324, 55.9700



76.7085, 71.3429, 104.3353



20.6264, 19.5928, 56.7278



15.8597, 14.4166, 22.1967



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.



27.8240, 17.6324, 55.9700



42.9111, 23.6666, 96.9142



34.7583, 21.4522, 45.2226



10.7264, 10.6327, 13.4045



12.9110, 5.8901, 35.2008



0.6858, 0.3173, 1.6702

Inverse Universe

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



30.0221, 19.5577, 20.2823



48.0094, 27.8805, 25.5148



26.2771, 43.5905, 19.4703



10.7773, 10.6943, 11.8103



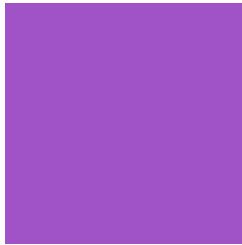
15.8205, 8.0778, 4.2647



0.7829, 0.3960, 0.3798

Previews

White Background



This preview shows how the XYZ color 27.8233, 17.6317, 55.9696 looks on a white background.

Color Contrast Check

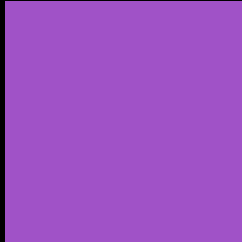
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8233, 17.6317, 55.9696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

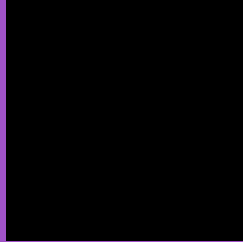
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8233, 17.6317, 55.9696

Background



This preview shows how black text looks on a background with the XYZ color 27.8233, 17.6317, 55.9696.

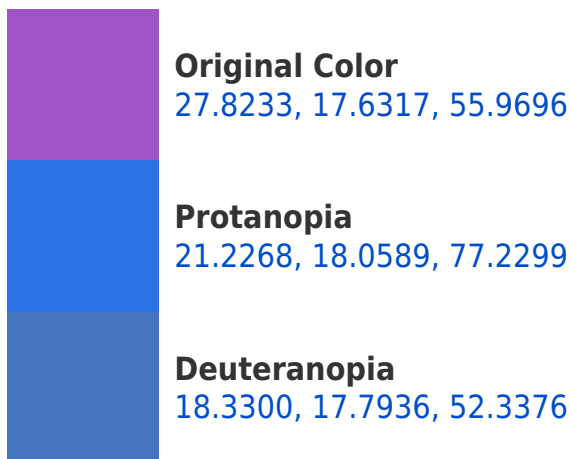


This preview shows how white text looks on a background with the XYZ color 27.8233, 17.6317,

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





Tritanopia

20.1215, 17.5211, 18.2410

Trichromacy



Original Color

27.8233, 17.6317, 55.9696



Protanomaly

21.3753, 16.5956, 69.0945



Deuteranomaly

20.2801, 16.6655, 53.7777



Tritanomaly

22.3344, 17.2691, 28.9442

Monochromacy



Original Color

27.8233, 17.6317, 55.9696



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

20.3308, 17.5145, 30.3261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8233, 17.6317, 55.9696 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, 82, 199)` looks like.

```
.text, #text, p{  
    color:rgb(160, 82, 199)  
}
```

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, 82, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 82, 199) }
```

Border

The CSS property to change the border of an element to XYZ 27.8233, 17.6317, 55.9696 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, 82, 199) }
```


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

```
.border{ border-color:rgb(160, 82, 199) }
```

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

Here you see how a box with a 4 pixel rgb(160, 82, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 82, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 82, 199);  
box-shadow:4px 4px 4px 4px rgb(160, 82,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8233, 17.6317, 55.9696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 82, 199) }
```

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

```
.background{ background-color: rgb(160, 82,  
199) }
```

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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