

Converting Colors

XYZ(27.7538, 18.5576, 55.5453)

Have a look what the booklet for
XYZ(27.7538, 18.5576, 55.5453)
contains.

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Color

**XYZ(27.7538, 18.5576,
55.5453)**

Conversions

Conversions Part 1

Format	Color
Hex	9D5AC6
RGB	157, 90, 198
RGB Percent	62%, 35%, 78%
CMY	0.3843, 0.6470, 0.2235
CMYK	0.21, 0.55, 0.00, 0.22
HSL	277°, 49%, 56%
HSV	277°, 55%, 78%
XYZ	27.7538, 18.5576, 55.5453
YIQ	122.3450, 5.2640, 47.7920

Conversions

Conversions Part 2

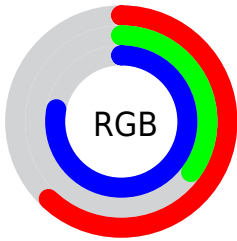
Format	Color
R _Y B	157, 90, 198
Decimal	10312390
CIE Lab	50.17, 46.52, -45.73
CIE LCh	50, 65.230, 315.491
Yxy	18.5576, 0.2725, 0.1822
Android (android.graphics.Color)	4288502470 (0xFF9D5AC6)
YUV	122.3450, 37.2979, 30.3924
Hunter-Lab	43.0785, 39.6131, -46.2933

Details

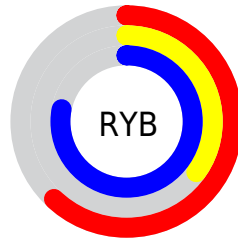
The XYZ color **27.7538, 18.5576, 55.5453** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **31.4001, 45.9521, 16.8881**, and the grayscale version is **18.4926, 19.4557, 21.1873**.

A 20% lighter version of the original color is **55.4546, 40.8621, 99.5721**, and **11.1629, 6.2590, 26.6064** is the 20% darker color. If you saturate the color by 10%, you get **24.8792, 14.9183, 54.9947**, and if you desaturate by 10%, it is **31.1649, 23.1344, 56.2492**.

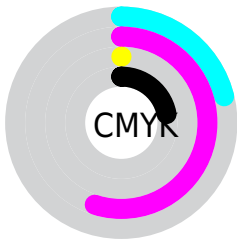
Distribution



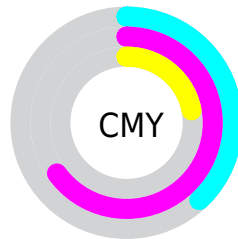
- Red (62%)
- Green (35%)
- Blue (78%)



- Red (62%)
- Yellow (35%)
- Blue (78%)



- Cyan (21%)
- Magenta (55%)
- Yellow (0%)
- Black (22%)



- Cyan (38%)
- Magenta (65%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7538, 18.5576, 55.5453 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 27.7538, 18.5576, 55.5453 by changing the saturation by 10% instead.

■ 27.7538, 18.5576,
55.5453

■ 27.7538, 18.5576,
55.5453

283.3901,
243.9955, 425.3157

■ 18.2797, 11.3511,
39.4369

■ 55.5025, 40.9852,
99.8186

■ 11.2519, 6.3035,
26.7894

■ 74.5078, 56.9750,
128.8206

■ 6.3050, 3.0305,
17.1841

■ 97.4209, 76.6614,
162.9576

■ 3.0739, 1.1477,
10.2025

■ 124.6071,
100.4288, 202.6480

■ 1.1929, 0.0183,
5.4260

156.4317,
128.6614, 248.3105

■ 0.1008, 0.0000,
2.4363

193.2602,

■ 0.0000, 0.0000,

161.7438, 300.3636

0.8061

235.4579,
200.0604, 359.2259

■ 0.0000, 0.0000,
0.0000

■ 27.7538, 18.5576,
55.5453

■ 27.7538, 18.5576,
55.5453

■ 24.8792, 14.9183,
54.9947

■ 31.1649, 23.1344,
56.2492

■ 22.5010, 12.1411,
54.5840

■ 35.1440, 28.7117,
57.1160

■ 20.5766, 10.1422,
54.2996

■ 39.7226, 35.3494,
58.1559

■ 19.0534, 8.8192,
54.1245

■ 44.9291, 43.1022,
59.3780

■ 18.3379, 8.2760,
54.0573

■ 50.7899, 52.0206,
60.7905

■ 57.3299, 62.1523,
62.4014

■ 64.5724, 73.5421,
64.2181

■ 72.5399, 86.2326,
66.2477

■ 76.8958, 91.5488,
67.0443

Harmonies

Analogous

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



21.0725, 18.5576, 75.3942



27.7538, 18.5576, 55.5453



32.1411, 18.5576, 30.1930

Triad

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



27.7538, 18.5576, 55.5453



20.8475, 18.5576, 1.7979



8.3572, 18.5576, 30.9497

Complementary

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



27.7538, 18.5576, 55.5453



31.4001, 45.9521, 16.8881

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.



8.3246, 18.5576, 12.7070



27.7538, 18.5576, 55.5453



14.5993, 18.5576, 1.8287

Square

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



27.7538, 18.5576, 55.5453



27.5557, 18.5576, 4.1970



10.3387, 18.5576, 4.3462



10.4418, 18.5576, 56.3743

Rectangle

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



27.7538, 18.5576, 55.5453



32.6366, 18.5576, 17.0673



10.3387, 18.5576, 4.3462



8.1259, 18.5576, 23.7078

Sweetspot

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



27.7545, 18.5583, 55.5457



77.9167, 73.8543, 104.7564



22.5802, 22.5918, 56.5970



16.2536, 15.1735, 22.3221



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.



27.7545, 18.5583, 55.5457



43.4011, 25.6230, 97.2660



35.7446, 22.8384, 48.6454



10.6780, 10.6078, 13.4022



12.0232, 5.4324, 35.1592



0.6480, 0.2978, 1.6685

Inverse Universe

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



31.0421, 20.9574, 23.8823



50.5149, 30.7191, 33.0469



26.8392, 43.5335, 19.7158



10.7977, 10.7025, 11.9178



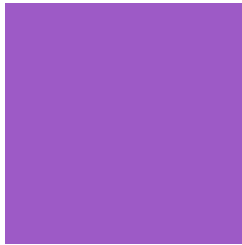
16.0135, 8.1550, 5.2810



0.7934, 0.4002, 0.4352

Previews

White Background



This preview shows how the XYZ color 27.7538, 18.5576, 55.5453 looks on a white background.

Color Contrast Check

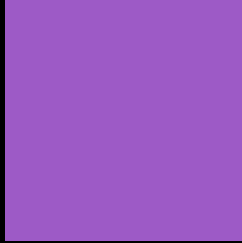
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7538, 18.5576, 55.5453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

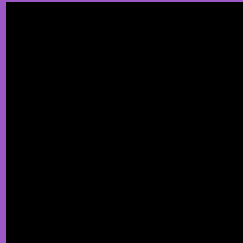
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7538, 18.5576, 55.5453

Background



This preview shows how black text looks on a background with the XYZ color 27.7538, 18.5576, 55.5453.

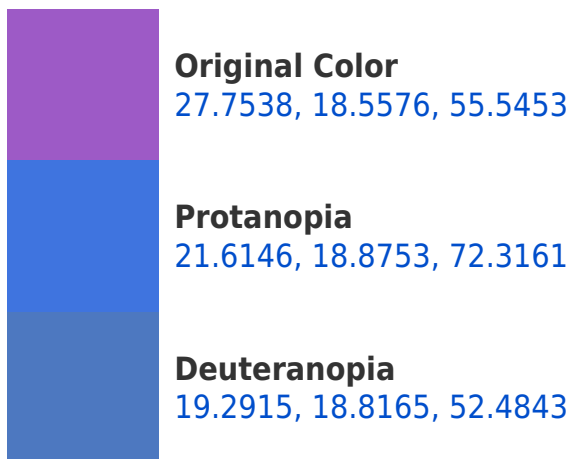


This preview shows how white text looks on a background with the XYZ color 27.7538, 18.5576,

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

20.4073, 18.4131, 19.9313

Trichromacy



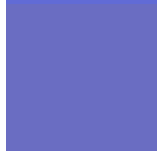
Original Color

27.7538, 18.5576, 55.5453



Protanomaly

22.3251, 17.9118, 65.8990



Deuteranomaly

21.1501, 17.8965, 53.3786



Tritanomaly

22.5900, 18.2282, 30.3447

Monochromacy



Original Color

27.7538, 18.5576, 55.5453



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.0726, 18.5048, 31.3153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7538, 18.5576, 55.5453 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, 90, 198)` looks like.

```
.text, #text, p{  
    color:rgb(157, 90, 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(157, 90, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 90, 198) }
```

Border

The CSS property to change the border of an element to XYZ 27.7538, 18.5576, 55.5453 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, 90, 198) }
```


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

```
.border{ border-color:rgb(157, 90, 198) }
```

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

Here you see how a box with a 4 pixel rgb(157, 90, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 90, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 90, 198);  
box-shadow:4px 4px 4px 4px rgb(157, 90,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7538, 18.5576, 55.5453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 90, 198) }
```

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

```
.background{ background-color: rgb(157, 90,  
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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