

Converting Colors

XYZ(27.2289, 19.5350, 56.3080)

Have a look what the booklet for
XYZ(27.2289, 19.5350, 56.3080)
contains.

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Color

**XYZ(27.1651, 19.4368,
56.3527)**

Conversions

Conversions Part 1

Format	Color
Hex	9563C7
RGB	149, 99, 199
RGB Percent	58%, 39%, 78%
CMY	0.4157, 0.6118, 0.2196
CMYK	0.25, 0.50, 0.00, 0.22
HSL	270°, 47%, 58%
HSV	270°, 50%, 78%
XYZ	27.1651, 19.4368, 56.3527
YIQ	125.3500, -2.3000, 41.7000

Conversions

Conversions Part 2

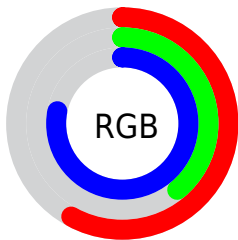
Format	Color
R_{YB}	149, 99, 199
Decimal	9790407
CIE _{Lab}	51.19, 39.72, -44.72
CIE _{LCh}	51, 59.817, 311.610
Yxy	19.4368, 0.2639, 0.1888
Android (android.graphics.Color)	4287980487 (0xFF9563C7)
YUV	125.3500, 36.3095, 20.7411
Hunter-Lab	44.0872, 32.8334, -44.9241

Details

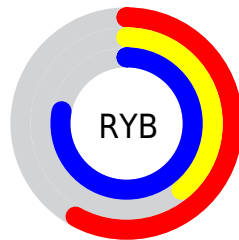
The XYZ color **27.1651, 19.4368, 56.3527** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.0704, 48.1376, 19.2482**, and the grayscale version is **19.4936, 20.5087, 22.3340**.

A 20% lighter version of the original color is **54.2934, 42.3324, 99.9171**, and **10.8940, 6.7277, 27.1100** is the 20% darker color. If you saturate the color by 10%, you get **23.7685, 15.2239, 55.7189**, and if you desaturate by 10%, it is **31.1828, 24.6601, 57.1495**.

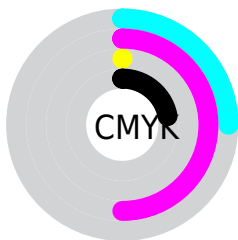
Distribution



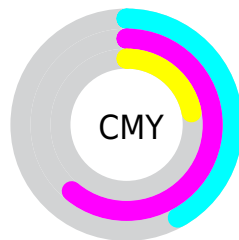
- Red (58%)
- Green (39%)
- Blue (78%)



- Red (58%)
- Yellow (39%)
- Blue (78%)



- Cyan (25%)
- Magenta (50%)
- Yellow (0%)
- Black (22%)



- Cyan (42%)
- Magenta (61%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1651, 19.4368, 56.3527 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 27.1651, 19.4368, 56.3527 by changing the saturation by 10% instead.

■ 27.1651, 19.4368,
56.3527

■ 27.1651, 19.4368,
56.3527

280.6086,
248.8496, 428.4449

■ 17.8345, 11.9863,
40.0799

■ 54.5667, 42.4709,
101.0110

■ 10.9302, 6.7344,
27.2866

■ 73.3684, 58.8233,
130.2336

■ 6.0869, 3.2965,
17.5542

■ 96.0578, 78.9118,
164.6098

■ 2.9391, 1.2884,
10.4643

■ 123.0004,
103.1208, 204.5583

■ 1.1217, 0.1322,
5.5983

154.5614,
131.8347, 250.4975

■ 0.0431, 0.0000,
2.5376

191.1062,

■ 0.0000, 0.0000,

165.4379, 302.8459

0.8600

233.0001,
204.3147, 362.0223

■ 0.0000, 0.0000,
0.0000

■ 27.1651, 19.4368,
56.3527

■ 27.1651, 19.4368,
56.3527

■ 23.7685, 15.2239,
55.7189

■ 31.1828, 24.6601,
57.1495

■ 20.9522, 11.9475,
55.2349

■ 35.8542, 30.9560,
58.1185

■ 18.6731, 9.5273,
54.8879

■ 41.2122, 38.3839,
59.2698

■ 16.8803, 7.8671,
54.6619

■ 47.2867, 46.9983,
60.6124

■ 15.5095, 6.8046,
54.5291

■ 54.1055, 56.8502,
62.1547

■ 61.6951, 67.9875,
63.9043

■ 70.0804, 80.4553,
65.8689

■ 78.2549, 92.2360,
67.7120

■ 81.5141, 93.9162,
67.8645

Harmonies

Analogous

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



20.8747, 19.4368, 72.2516



27.1651, 19.4368, 56.3527



31.6035, 19.4368, 33.2814

Triad

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



27.1651, 19.4368, 56.3527



22.3256, 19.4368, 2.8082



9.3773, 19.4368, 28.4697

Complementary

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



27.1651, 19.4368, 56.3527



35.0704, 48.1376, 19.2482

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.



9.6020, 19.4368, 12.4145



27.1651, 19.4368, 56.3527



16.2650, 19.4368, 2.5551

Square

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



27.1651, 19.4368, 56.3527



28.4218, 19.4368, 6.0055



11.8680, 19.4368, 4.8978



11.1694, 19.4368, 51.2484

Rectangle

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



27.1651, 19.4368, 56.3527



32.4404, 19.4368, 20.2557



11.8680, 19.4368, 4.8978



9.2319, 19.4368, 22.0977

Sweetspot

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



27.1659, 19.4376, 56.3531



77.3492, 74.5285, 104.9164



26.2025, 28.2718, 58.1091



16.0751, 15.2718, 22.3505



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.



27.1659, 19.4376, 56.3531



41.2767, 26.2471, 97.4984



38.3243, 25.1899, 56.8754



10.5535, 10.5436, 13.3964



10.0739, 4.4275, 35.0680



0.5605, 0.2527, 1.6644

Inverse Universe

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



33.4403, 23.2363, 31.1566



54.0774, 33.9972, 46.0943



27.8217, 44.4008, 18.9089



10.8513, 10.7239, 12.2003



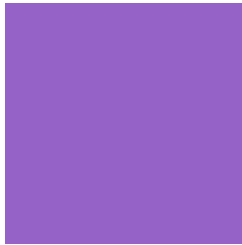
16.6530, 8.4108, 8.6485



0.8251, 0.4129, 0.6020

Previews

White Background



This preview shows how the XYZ color 27.1651, 19.4368, 56.3527 looks on a white background.

Color Contrast Check

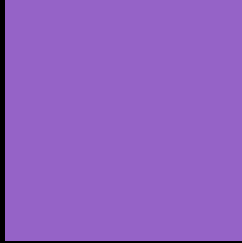
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1651, 19.4368, 56.3527 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 27.1651, 19.4368, 56.3527

Background



This preview shows how black text looks on a background with the XYZ color 27.1651, 19.4368, 56.3527.



This preview shows how white text looks on a background with the XYZ color 27.1651, 19.4368,

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

27.1651, 19.4368, 56.3527

Protanopia

22.1534, 19.7515, 68.9745

Deuteranopia

20.0905, 19.5634, 53.7562



Tritanopia

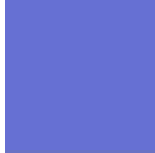
20.2805, 19.4632, 22.4265

Trichromacy



Original Color

27.1651, 19.4368, 56.3527



Protanomaly

23.0315, 19.1163, 64.1039



Deuteranomaly

21.9250, 19.0843, 54.7526



Tritanomaly

22.3102, 19.1145, 32.6506

Monochromacy



Original Color

27.1651, 19.4368, 56.3527



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

21.7444, 19.8261, 32.3865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1651, 19.4368, 56.3527 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(149, 99, 199)` looks like.

```
.text, #text, p{  
    color:rgb(149, 99, 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(149, 99, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 99, 199) }
```

Border

The CSS property to change the border of an element to XYZ 27.1651, 19.4368, 56.3527 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(149, 99, 199) }
```


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

```
.border{ border-color:rgb(149, 99, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 99, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 99, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 99, 199);  
box-shadow:4px 4px 4px 4px rgb(149, 99,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1651, 19.4368, 56.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 99, 199) }
```

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

```
.background{ background-color: rgb(149, 99,  
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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