

Converting Colors

XYZ(27.8179, 18.5975, 39.5441)

Have a look what the booklet for
XYZ(27.8179, 18.5975, 39.5441)
contains.

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Color

**XYZ(27.8032, 18.5652,
39.6542)**

Conversions

Conversions Part 1

Format	Color
Hex	AD57A9
RGB	173, 87, 169
RGB Percent	68%, 34%, 66%
CMY	0.3216, 0.6588, 0.3373
CMYK	0.00, 0.50, 0.02, 0.32
HSL	303°, 34%, 51%
HSV	303°, 50%, 68%
XYZ	27.8032, 18.5652, 39.6542
YIQ	122.0620, 24.9340, 43.7340

Conversions

Conversions Part 2

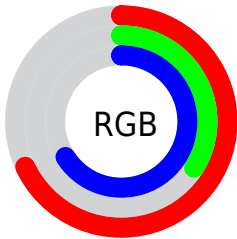
Format	Color
R _{YB}	173, 87, 169
Decimal	11360169
CIE _{Lab}	50.17, 46.68, -28.73
CIE _{LCh}	50, 54.810, 328.386
Yxy	18.5652, 0.3232, 0.2158
Android (android.graphics.Color)	4289550249 (0xFFAD57A9)
YUV	122.0620, 23.1404, 44.6726
Hunter-Lab	43.0874, 39.7788, -24.4047

Details

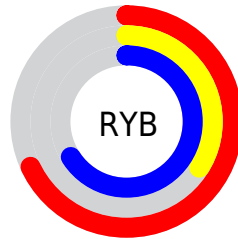
The XYZ color **27.8032, 18.5652, 39.6542** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **20.7632, 32.6694, 15.1101**, and the grayscale version is **18.4407, 19.4010, 21.1277**.

A 20% lighter version of the original color is **55.6018, 41.0154, 76.2204**, and **11.2541, 6.2800, 17.4486** is the 20% darker color. If you saturate the color by 10%, you get **26.4916, 16.0622, 38.8456**, and if you desaturate by 10%, it is **29.4521, 21.7413, 40.5779**.

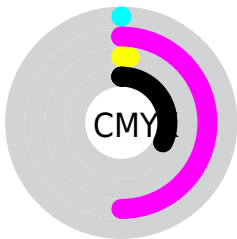
Distribution



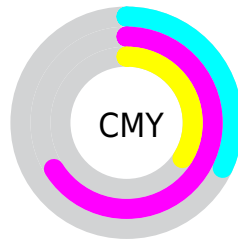
- Red (68%)
- Green (34%)
- Blue (66%)



- Red (68%)
- Yellow (34%)
- Blue (66%)



- Cyan (0%)
- Magenta (50%)
- Yellow (2%)
- Black (32%)





- Cyan (32%)
- Magenta (66%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8032, 18.5652, 39.6542 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 27.8032, 18.5652, 39.6542 by changing the saturation by 10% instead.

 27.8032, 18.5652,
39.6542


 27.8032, 18.5652,
39.6542


283.6225,
244.0378, 360.1726


 18.3171, 11.3565,
26.9573


 55.5809, 40.9981,
75.8680


 11.2789, 6.3072,
17.3090


 74.6032, 56.9911,
100.2219

 6.3234, 3.0327,
10.2908


 97.5350, 76.6810,
129.2986

 3.0853, 1.1489,
5.4840

 124.7415,
100.4522, 163.5167

 1.1990, 0.0193,
2.4703

156.5881,
128.6891, 203.2945

 0.1056, 0.0000,
0.8244

193.4403,

 0.0000, 0.0000,

161.7760, 249.0508

0.0000

235.6633,
200.0975, 301.2039

■ 27.8032, 18.5652,
39.6542

■ 27.8032, 18.5652,
39.6542

■ 26.4916, 16.0622,
38.8456

■ 29.4521, 21.7413,
40.5779

■ 25.4912, 14.1811,
38.1427

■ 31.4584, 25.6319,
41.6229

■ 24.7748, 12.8673,
37.5369


■ 33.8429, 30.2781,
42.7963


■ 24.3098, 12.0558,
37.0171

■ 36.6242, 35.7171,
44.1042


■ 24.0287, 11.6111,
36.5609


■ 39.8196, 41.9836,
45.5525

 24.0211, 11.5993,
36.5479

 43.4454, 49.1103,
47.1466

 47.5172, 57.1281,
48.8916

 52.0497, 66.0665,
50.7925

 57.0568, 75.9535,
52.8540

Harmonies

Analogous

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



22.9368, 18.5652, 58.2025



27.8032, 18.5652, 39.6542



29.8921, 18.5652, 21.0463

Triad

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



27.8032, 18.5652, 39.6542



17.9338, 18.5652, 2.8389



10.1241, 18.5652, 37.4678

Complementary

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



27.8032, 18.5652, 39.6542



20.7632, 32.6694, 15.1101

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.



9.3055, 18.5652, 19.4046



27.8032, 18.5652, 39.6542



13.2381, 18.5652, 3.8905

Square

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



27.8032, 18.5652, 39.6542



23.5331, 18.5652, 4.1706



10.3233, 18.5652, 8.4659



12.8324, 18.5652, 56.5571

Rectangle

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



27.8032, 18.5652, 39.6542



29.1659, 18.5652, 12.3476



10.3233, 18.5652, 8.4659



9.6459, 18.5652, 30.8656

Sweetspot

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



27.8038, 18.5660, 39.6546



62.7357, 58.3784, 77.6565



15.1554, 12.0015, 41.0534



13.4187, 12.2663, 16.7746



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.8038, 18.5660, 39.6546



47.1734, 28.2523, 69.3905



24.4820, 17.2373, 22.1620



8.3207, 8.1415, 9.9998



17.6528, 8.5237, 26.8811



0.4959, 0.2390, 0.7731

Inverse Universe

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



27.8038, 18.5660, 39.6546



47.1734, 28.2523, 69.3905



23.0993, 33.6038, 27.4117



8.3207, 8.1415, 9.9998



17.6528, 8.5237, 26.8811



0.4959, 0.2390, 0.7731

Previews

White Background



This preview shows how the XYZ color 27.8032, 18.5652, 39.6542 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 27.8032, 18.5652, 39.6542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

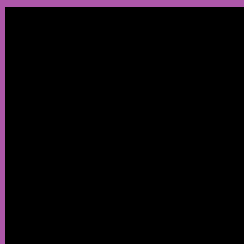
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8032, 18.5652, 39.6542

Background



This preview shows how black text looks on a background with the XYZ color 27.8032, 18.5652, 39.6542.



This preview shows how white text looks on a background with the XYZ color 27.8032, 18.5652,

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

27.8032, 18.5652, 39.6542

Protanopia

20.3153, 18.7913, 53.5953

Deuteranopia

19.1527, 18.7270, 37.2555



Tritanopia

23.1399, 18.5185, 16.8228

Trichromacy



Original Color

27.8032, 18.5652, 39.6542

Protanomaly

21.6567, 17.8039, 48.1940

Deuteranomaly

21.4093, 18.0573, 37.9543

Tritanomaly

24.6418, 18.4395, 23.7331

Monochromacy



Original Color

27.8032, 18.5652, 39.6542

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.1133, 18.4641, 26.8772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8032, 18.5652, 39.6542 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(173, 87, 169)` looks like.

```
.text, #text, p{  
    color:rgb(173, 87, 169)  
}
```

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(173, 87, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 87, 169) }
```

Border

The CSS property to change the border of an element to XYZ 27.8032, 18.5652, 39.6542 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(173, 87, 169) }
```


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

```
.border{ border-color:rgb(173, 87, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 87, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 87, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 87, 169);  
box-shadow:4px 4px 4px 4px rgb(173, 87,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8032, 18.5652, 39.6542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 87, 169) }
```

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

```
.background{ background-color: rgb(173, 87,  
169) }
```

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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