

Converting Colors

XYZ(27.4443, 20.4154, 39.1312)

Have a look what the booklet for
XYZ(27.4443, 20.4154, 39.1312)
contains.

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Color

**XYZ(27.4523, 20.3998,
39.0499)**

Conversions

Conversions Part 1

Format	Color
Hex	A666A7
RGB	166, 102, 167
RGB Percent	65%, 40%, 65%
CMY	0.3490, 0.6000, 0.3451
CMYK	0.01, 0.39, 0.00, 0.35
HSL	299°, 27%, 53%
HSV	299°, 39%, 65%
XYZ	27.4523, 20.3998, 39.0499
YIQ	128.5460, 17.2790, 33.7830

Conversions

Conversions Part 2

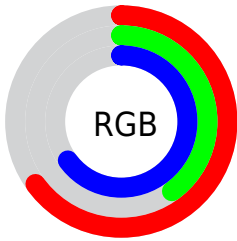
Format	Color
R_{YB}	166, 102, 167
Decimal	10905255
CIE _{Lab}	52.29, 36.17, -24.36
CIE _{LCh}	52, 43.611, 326.040
Yxy	20.3998, 0.3159, 0.2347
Android (android.graphics.Color)	4289095335 (0xFFA666A7)
YUV	128.5460, 18.9578, 32.8472
Hunter-Lab	45.1661, 29.4528, -19.6449

Details

The XYZ color **27.4523, 20.3998, 39.0499** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.8113, 31.4809, 17.4983**, and the grayscale version is **20.6401, 21.7150, 23.6476**.

A 20% lighter version of the original color is **54.8646, 43.9147, 74.6919**, and **11.1326, 7.2045, 17.0235** is the 20% darker color. If you saturate the color by 10%, you get **25.9199, 17.4144, 38.5547**, and if you desaturate by 10%, it is **29.3168, 24.0483, 39.6562**.

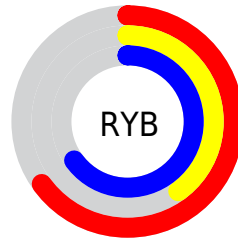
Distribution



Red (65%)

Green (40%)

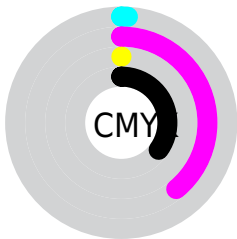
Blue (65%)



Red (65%)

Yellow (40%)

Blue (65%)

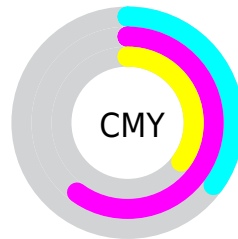


Cyan (1%)

Magenta (39%)

Yellow (0%)

Black (35%)



Cyan (35%)

Magenta (60%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4523, 20.3998, 39.0499 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 27.4523, 20.3998, 39.0499 by changing the saturation by 10% instead.

■ 27.4523, 20.3998,
39.0499

■ 27.4523, 20.3998,
39.0499

281.9682,
254.0713, 357.5349

■ 18.0515, 12.6860,
26.4904

■ 55.0236, 44.0865,
74.9357

■ 11.0869, 7.2127,
16.9618

■ 73.9248, 60.8281,
99.0991

■ 6.1930, 3.5955,
10.0456

■ 96.7236, 81.3478,
127.9676

■ 3.0046, 1.4499,
5.3232

■ 123.7853,
106.0300, 161.9597

■ 1.1562, 0.2531,
2.3761

155.4753,
135.2591, 201.4939

■ 0.0714, 0.0000,
0.7734

192.1589,

■ 0.0000, 0.0000,

169.4194, 246.9889

0.0000

234.2014,
208.8953, 298.8630

■ 27.4523, 20.3998,
39.0499

■ 27.4523, 20.3998,
39.0499

■ 25.9199, 17.4144,
38.5547

■ 29.3168, 24.0483,
39.6562

■ 24.6975, 15.0494,
38.1627

■ 31.5296, 28.3938,
40.3783

■ 23.7638, 13.2615,
37.8668


■ 34.1084, 33.4710,
41.2224


■ 23.0937, 12.0006,
37.6587


■ 37.0691, 39.3119,
42.1937

■ 22.6578, 11.2081,
37.5287


■ 40.4265, 45.9460,
43.2973


 22.3996, 10.7707,
37.4579

 44.1948, 53.4018,
44.5378

 22.3743, 10.7286,
37.4511

 48.3874, 61.7061,
45.9197

 53.0172, 70.8845,
47.4473

 58.0964, 80.9616,
49.1247

Harmonies

Analogous

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



23.4243, 20.3998, 52.5888



27.4523, 20.3998, 39.0499



29.3208, 20.3998, 23.9605

Triad

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



27.4523, 20.3998, 39.0499



19.9907, 20.3998, 5.5665



12.6309, 20.3998, 34.9051

Complementary

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



27.4523, 20.3998, 39.0499



21.8113, 31.4809, 17.4983

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.



11.9997, 20.3998, 20.5505



27.4523, 20.3998, 39.0499



15.8467, 20.3998, 6.5968

Square

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



27.4523, 20.3998, 39.0499



24.6133, 20.3998, 7.3850



13.0835, 20.3998, 11.0800



14.9625, 20.3998, 49.6184

Rectangle

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



27.4523, 20.3998, 39.0499



28.9078, 20.3998, 16.0661



13.0835, 20.3998, 11.0800



12.2299, 20.3998, 29.7538

Sweetspot

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



27.4530, 20.4007, 39.0503



59.4884, 56.7973, 73.3029



17.3140, 15.3330, 38.6065



13.1825, 12.4544, 16.3613



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



27.4530, 20.4007, 39.0503



46.6868, 31.7051, 69.1343



25.1028, 19.4849, 25.5764



7.8303, 7.6607, 9.4843



17.1249, 8.2116, 28.6579



0.4201, 0.2016, 0.6974

Inverse Universe

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



23.1366, 18.6985, 15.2227



37.8361, 28.2183, 20.1114



23.5615, 32.1678, 27.3096



7.5356, 7.5441, 7.8718



12.2071, 6.2916, 0.6363



0.2984, 0.1536, 0.0229

Previews

White Background



This preview shows how the XYZ color 27.4523, 20.3998, 39.0499 looks on a white background.

Color Contrast Check

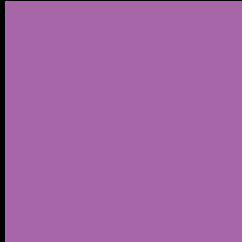
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4523, 20.3998, 39.0499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

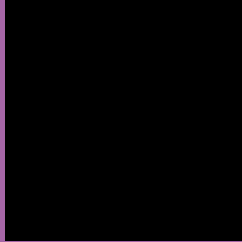
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.4523, 20.3998, 39.0499

Background



This preview shows how black text looks on a background with the XYZ color 27.4523, 20.3998, 39.0499.



This preview shows how white text looks on a background with the XYZ color 27.4523, 20.3998,

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

27.4523, 20.3998, 39.0499

Protanopia

21.5604, 20.6299, 48.1930

Deuteranopia

21.0299, 20.5922, 37.5166



Tritanopia

23.6815, 20.4180, 20.4622

Trichromacy



Original Color

27.4523, 20.3998, 39.0499

Protanomaly

22.9190, 19.9878, 44.7696

Deuteranomaly

22.8232, 20.0927, 37.7973

Tritanomaly

24.7782, 20.2126, 26.2624

Monochromacy



Original Color

27.4523, 20.3998, 39.0499

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.7101, 20.9276, 28.8291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4523, 20.3998, 39.0499 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(166, 102, 167)` looks like.

```
.text, #text, p{  
    color:rgb(166, 102, 167)  
}
```

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(166, 102, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 102, 167) }
```

Border

The CSS property to change the border of an element to XYZ 27.4523, 20.3998, 39.0499 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(166, 102, 167) }
```


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

```
.border{ border-color:rgb(166, 102, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 102, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 102, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 102, 167);  
box-shadow:4px 4px 4px 4px rgb(166, 102,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4523, 20.3998, 39.0499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 102, 167) }
```

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

```
.background{ background-color: rgb(166,  
102, 167) }
```

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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