

Converting Colors

XYZ(29.4687, 23.8944, 39.0152)

Have a look what the booklet for
XYZ(29.4687, 23.8944, 39.0152)
contains.

XYZ(29.3927, 23.8006, 39.1212)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.3927, 23.8006,
39.1212)**

Conversions

Conversions Part 1

Format	Color
Hex	A875A6
RGB	168, 117, 166
RGB Percent	66%, 46%, 65%
CMY	0.3412, 0.5412, 0.3490
CMYK	0.00, 0.30, 0.01, 0.34
HSL	302°, 23%, 56%
HSV	302°, 30%, 66%
XYZ	29.3927, 23.8006, 39.1212
YIQ	137.8350, 14.6670, 26.0510

Conversions

Conversions Part 2

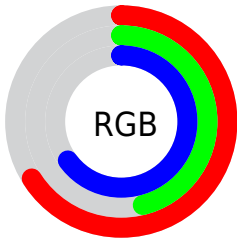
Format	Color
R_{YB}	168, 117, 166
Decimal	11040166
CIE _{Lab}	55.89, 28.26, -18.24
CIE _{LCh}	56, 33.634, 327.161
Yxy	23.8006, 0.3184, 0.2578
Android (android.graphics.Color)	4289230246 (0xFFA875A6)
YUV	137.8350, 13.8853, 26.4547
Hunter-Lab	48.7859, 22.1681, -13.3943

Details

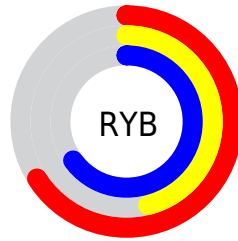
The XYZ color **29.3927, 23.8006, 39.1212** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.6695, 33.1199, 22.5467**, and the grayscale version is **24.0401, 25.2921, 27.5431**.

A 20% lighter version of the original color is **58.1663, 49.8172, 74.9566**, and **12.1746, 8.9940, 17.0139** is the 20% darker color. If you saturate the color by 10%, you get **27.5481, 20.2075, 38.2091**, and if you desaturate by 10%, it is **31.5904, 28.0985, 40.1531**.

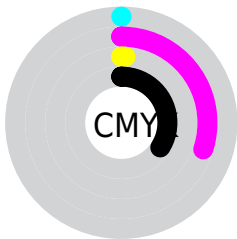
Distribution



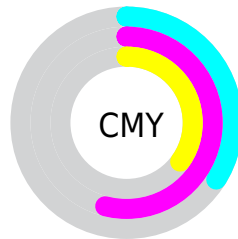
- Red (66%)
- Green (46%)
- Blue (65%)



- Red (66%)
- Yellow (46%)
- Blue (65%)



- Cyan (0%)
- Magenta (30%)
- Yellow (1%)
- Black (34%)





- Cyan (34%)
- Magenta (54%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3927, 23.8006, 39.1212 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 29.3927, 23.8006, 39.1212 by changing the saturation by 10% instead.


 29.3927, 23.8006,
39.1212

 29.3927, 23.8006,
39.1212


291.0242,
271.8108, 357.8468


 19.5239, 15.1858,
26.5455


 58.0937, 49.7046,
75.0458

 12.1557, 8.9499,
17.0027


 77.6565, 67.7626,
99.2318

 6.9227, 4.7085,
10.0745


 101.1814, 89.7371,
128.1249

 3.4597, 2.0773,
5.3421

129.0338,
116.0124, 162.1437

 1.4013, 0.6518,
2.3871

161.5788,
146.9731, 201.7068

 0.2571, 0.0000,
0.7794

199.1820,

 0.0000, 0.0000,

183.0035, 247.2326

0.0000

242.2087,
224.4879, 299.1398

■ 29.3927, 23.8006,
39.1212

■ 29.3927, 23.8006,
39.1212

■ 27.5481, 20.2075,
38.2091

■ 31.5904, 28.0985,
40.1531

■ 26.0356, 17.2785,
37.4089

■ 34.1563, 33.1328,
41.3089

■ 24.8353, 14.9735,
36.7143

■ 37.1074, 38.9371,
42.5948

■ 23.9245, 13.2468,
36.1178

■ 40.4591, 45.5419,
44.0156

■ 23.2772, 12.0467,
35.6106

■ 44.2256, 52.9760,
45.5764

■ 22.8627, 11.3119,
35.1825

■ 48.4209, 61.2671,
47.2815

■ 22.6180, 10.9127,
34.8228

■ 53.0579, 70.4411,
49.1355

■ 58.1492, 80.5232,
51.1424

■ 59.3486, 82.8209,
51.8535

Harmonies

Analogous

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



26.1539, 23.8006, 49.5819



29.3927, 23.8006, 39.1212



30.8056, 23.8006, 26.9737

Triad

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



29.3927, 23.8006, 39.1212



22.9885, 23.8006, 10.0387



16.6802, 23.8006, 36.7879

Complementary

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



29.3927, 23.8006, 39.1212



24.6695, 33.1199, 22.5467

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.



16.0331, 23.8006, 24.8840



29.3927, 23.8006, 39.1212



19.4228, 23.8006, 11.3115

Square

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



29.3927, 23.8006, 39.1212



26.8561, 23.8006, 11.9234



16.9797, 23.8006, 16.0754



18.8576, 23.8006, 47.9892

Rectangle

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



29.3927, 23.8006, 39.1212



30.4155, 23.8006, 20.1749



16.9797, 23.8006, 16.0754



16.2880, 23.8006, 32.6515

Sweetspot

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



29.3934, 23.8016, 39.1217



62.5808, 61.3026, 75.2252



20.9969, 19.4517, 39.6943



13.4861, 13.0591, 16.3278



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.



29.3934, 23.8016, 39.1217



51.1543, 38.9342, 69.9224



27.3035, 22.9657, 28.1161



7.8290, 7.6615, 9.4167



17.0845, 8.2425, 26.3204



0.4194, 0.2020, 0.6602

Inverse Universe

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



29.3934, 23.8016, 39.1217



51.1543, 38.9342, 69.9224



26.3890, 33.8077, 31.6015



7.8290, 7.6615, 9.4167



17.0845, 8.2425, 26.3204



0.4194, 0.2020, 0.6602

Previews

White Background



This preview shows how the XYZ color 29.3927, 23.8006, 39.1212 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 29.3927, 23.8006, 39.1212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

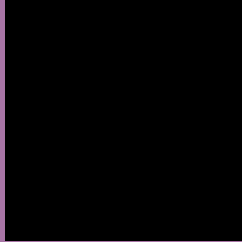
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3927, 23.8006, 39.1212

Background



This preview shows how black text looks on a background with the XYZ color 29.3927, 23.8006, 39.1212.



This preview shows how white text looks on a background with the XYZ color 29.3927, 23.8006,

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

29.3927, 23.8006, 39.1212

Protanopia

24.3494, 24.0870, 44.9609

Deuteranopia

24.4000, 23.8635, 37.9704



Tritanopia

26.6264, 23.7519, 25.3715

Trichromacy



Original Color

29.3927, 23.8006, 39.1212

Protanomaly

25.7797, 23.6848, 42.7481

Deuteranomaly

26.0158, 23.7130, 38.3279

Tritanomaly

27.4653, 23.7184, 29.9186

Monochromacy



Original Color

29.3927, 23.8006, 39.1212

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.7224, 24.4929, 31.3889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3927, 23.8006, 39.1212 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(168, 117, 166)` looks like.

```
.text, #text, p{  
    color:rgb(168, 117, 166)  
}
```

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(168, 117, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 117, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.3927, 23.8006, 39.1212 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(168, 117, 166) }
```


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

```
.border{ border-color:rgb(168, 117, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 117, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 117, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 117, 166);  
box-shadow:4px 4px 4px 4px rgb(168, 117,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3927, 23.8006, 39.1212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 117, 166) }
```

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

```
.background{ background-color: rgb(168,  
117, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor