

Converting Colors

XYZ(29.0370, 23.5247, 39.3706)

Have a look what the booklet for
XYZ(29.0370, 23.5247, 39.3706)
contains.

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Color

**XYZ(29.0622, 23.6196,
39.5865)**

Conversions

Conversions Part 1

Format	Color
Hex	A675A7
RGB	166, 117, 167
RGB Percent	65%, 46%, 65%
CMY	0.3490, 0.5412, 0.3451
CMYK	0.01, 0.30, 0.00, 0.35
HSL	299°, 22%, 56%
HSV	299°, 30%, 65%
XYZ	29.0622, 23.6196, 39.5865
YIQ	137.3510, 13.1540, 25.9380

Conversions

Conversions Part 2

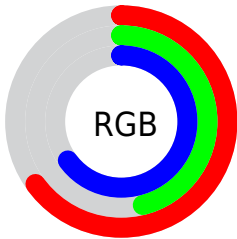
Format	Color
RYB	166, 117, 167
Decimal	10909095
CIELab	55.70, 27.77, -19.12
CIELCh	56, 33.717, 325.463
Yxy	23.6196, 0.3150, 0.2560
Android (android.graphics.Color)	4289099175 (0xFFA675A7)
YUV	137.3510, 14.6170, 25.1252
Hunter-Lab	48.6000, 21.6908, -14.2739

Details

The XYZ color **29.0622, 23.6196, 39.5865** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.5017, 32.7739, 21.8655**, and the grayscale version is **23.8542, 25.0965, 27.3301**.

A 20% lighter version of the original color is **57.6837, 49.5530, 75.6317**, and **11.9717, 8.8828, 17.3032** is the 20% darker color. If you saturate the color by 10%, you get **27.2177, 20.0338, 38.9919**, and if you desaturate by 10%, it is **31.2555, 27.9018, 40.2978**.

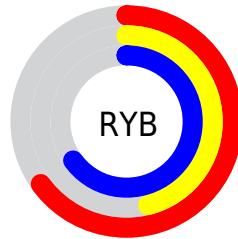
Distribution



Red (65%)

Green (46%)

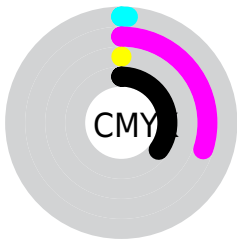
Blue (65%)



Red (65%)

Yellow (46%)

Blue (65%)

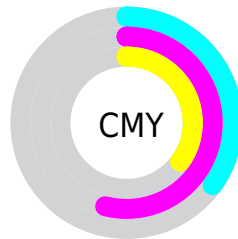


Cyan (1%)

Magenta (30%)

Yellow (0%)

Black (35%)



Cyan (35%)

Magenta (54%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0622, 23.6196, 39.5865 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 29.0622, 23.6196, 39.5865 by changing the saturation by 10% instead.

■ 29.0622, 23.6196,
39.5865

■ 29.0622, 23.6196,
39.5865

289.4972,
270.8916, 359.8778

■ 19.2724, 15.0517,
26.9050

■ 57.5728, 49.4087,
75.7636

■ 11.9724, 8.8557,
17.2701

■ 77.0242, 67.3987,
100.0963

■ 6.7970, 4.6472,
10.2632

■ 100.4270, 89.2982,
129.1497

■ 3.3807, 2.0418,
5.4660

128.1464,
115.4916, 163.3425

■ 1.3581, 0.6316,
2.4597

160.5477,
146.3632, 203.0932

■ 0.2261, 0.0000,
0.8187

197.9964,

■ 0.0000, 0.0000,

182.2975, 248.8202

0.0000

240.8578,
223.6788, 300.9423

■ 29.0622, 23.6196,
39.5865

■ 29.0622, 23.6196,
39.5865

■ 27.2177, 20.0338,
38.9919

■ 31.2555, 27.9018,
40.2978

■ 25.7012, 17.1045,
38.5064

■ 33.8125, 32.9114,
41.1300

■ 24.4934, 14.7922,
38.1238

■ 36.7498, 38.6814,
42.0889

■ 23.5719, 13.0522,
37.8365

■ 40.0825, 45.2419,
43.1795

■ 22.9114, 11.8337,
37.6361

■ 43.8248, 52.6213,
44.4067

■ 22.4818, 11.0771,
37.5127

■ 47.9901, 60.8465,
45.7748

■ 22.2167, 10.6490,
37.4441

■ 52.5913, 69.9433,
47.2881

■ 22.2152, 10.6466,
37.4437

■ 57.6409, 79.9364,
48.9508

■ 59.0987, 82.7458,
49.4163

Harmonies

Analogous

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



25.7590, 23.6196, 49.7772



29.0622, 23.6196, 39.5865



30.5992, 23.6196, 27.4182

Triad

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



29.0622, 23.6196, 39.5865



23.0359, 23.6196, 9.9279



16.4482, 23.6196, 35.8664

Complementary

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



29.0622, 23.6196, 39.5865



24.5017, 32.7739, 21.8655

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.



15.8932, 23.6196, 24.0890



29.0622, 23.6196, 39.5865



19.4368, 23.6196, 11.0140

Square

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



29.0622, 23.6196, 39.5865



26.8780, 23.6196, 11.9869



16.9250, 23.6196, 15.5379



18.5367, 23.6196, 47.2368

Rectangle

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



29.0622, 23.6196, 39.5865



30.3015, 23.6196, 20.5056



16.9250, 23.6196, 15.5379



16.0870, 23.6196, 31.7457

Sweetspot

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



29.0629, 23.6206, 39.5870



60.9386, 59.6933, 73.7854



20.8694, 19.6876, 39.2597



13.4818, 13.0539, 16.4612



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.



29.0629, 23.6206, 39.5870



49.7641, 37.8568, 70.1595



27.3070, 22.9426, 29.2422



7.8269, 7.6589, 9.4841



17.0043, 8.1495, 28.6523



0.4182, 0.2006, 0.6973

Inverse Universe

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



25.5685, 22.2472, 20.0872



42.4875, 34.9994, 29.4357



25.9139, 33.3232, 30.0072



7.5370, 7.5446, 7.8789



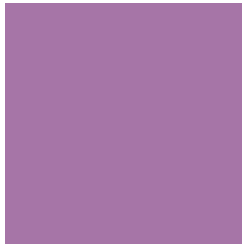
12.2109, 6.2931, 0.6560



0.2989, 0.1538, 0.0257

Previews

White Background



This preview shows how the XYZ color 29.0622, 23.6196, 39.5865 looks on a white background.

Color Contrast Check

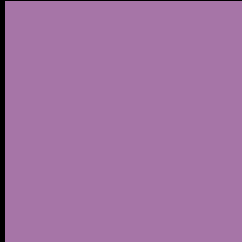
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0622, 23.6196, 39.5865 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 29.0622, 23.6196, 39.5865

Background



This preview shows how black text looks on a background with the XYZ color 29.0622, 23.6196, 39.5865.



This preview shows how white text looks on a background with the XYZ color 29.0622, 23.6196,

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

29.0622, 23.6196, 39.5865

Protanopia

24.1723, 23.7818, 45.4358

Deuteranopia

24.1772, 23.7382, 38.4296



Tritanopia

26.1392, 23.6858, 25.3844

Trichromacy



Original Color

29.0622, 23.6196, 39.5865

Protanomaly

25.5459, 23.5531, 43.2442

Deuteranomaly

25.7540, 23.5676, 38.7889

Tritanomaly

27.0525, 23.5056, 29.8993

Monochromacy



Original Color

29.0622, 23.6196, 39.5865

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.5407, 24.3993, 31.3804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0622, 23.6196, 39.5865 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, 117, 167)` looks like.

```
.text, #text, p{  
    color:rgb(166, 117, 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, 117, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 117, 167) }
```

Border

The CSS property to change the border of an element to XYZ 29.0622, 23.6196, 39.5865 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, 117, 167) }
```


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

```
.border{ border-color:rgb(166, 117, 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, 117, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 117, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 117, 167);  
box-shadow:4px 4px 4px 4px rgb(166, 117,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0622, 23.6196, 39.5865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 117, 167) }
```

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

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