

Converting Colors

XYZ(31.3596, 23.9621, 39.5315)

Have a look what the booklet for
XYZ(31.3596, 23.9621, 39.5315)
contains.

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Color

**XYZ(31.3596, 23.9621,
39.5315)**

Conversions

Conversions Part 1

Format	Color
Hex	B370A7
RGB	179, 112, 167
RGB Percent	70%, 44%, 65%
CMY	0.2980, 0.5608, 0.3451
CMYK	0.00, 0.37, 0.07, 0.30
HSL	311°, 31%, 57%
HSV	311°, 37%, 70%
XYZ	31.3596, 23.9621, 39.5315
YIQ	138.3030, 22.2770, 31.3090

Conversions

Conversions Part 2

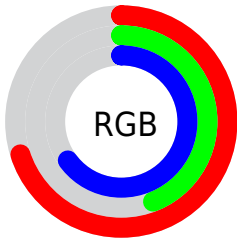
Format	Color
R_{YB}	179, 112, 167
Decimal	11759783
CIE _{Lab}	56.05, 34.94, -18.45
CIE _{LCh}	56, 39.514, 332.158
Yxy	23.9621, 0.3306, 0.2526
Android (android.graphics.Color)	4289949863 (0xFFB370A7)
YUV	138.3030, 14.1476, 35.6913
Hunter-Lab	48.9511, 28.6882, -13.6151

Details

The XYZ color **31.3596, 23.9621, 39.5315** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.4413, 37.1409, 24.8456**, and the grayscale version is **24.2155, 25.4766, 27.7441**.

A 20% lighter version of the original color is **61.2320, 50.0171, 75.5342**, and **13.2746, 9.0430, 17.2655** is the 20% darker color. If you saturate the color by 10%, you get **29.2849, 20.2807, 37.3958**, and if you desaturate by 10%, it is **33.8358, 28.4338, 41.8378**.

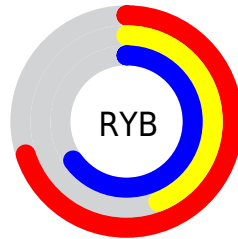
Distribution



Red (70%)

Green (44%)

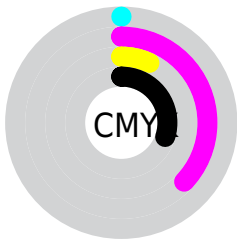
Blue (65%)



Red (70%)

Yellow (44%)

Blue (65%)

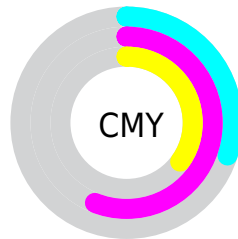


Cyan (0%)

Magenta (37%)

Yellow (7%)

Black (30%)



Cyan (30%)

Magenta (56%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3596, 23.9621, 39.5315 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 31.3596, 23.9621, 39.5315 by changing the saturation by 10% instead.

 31.3596, 23.9621,
39.5315


 31.3596, 23.9621,
39.5315


299.9890,
272.6288, 359.6381

 21.0260, 15.3055,
26.8624


 61.1778, 49.9683,
75.6788


 13.2556, 9.0341,
17.2384


 81.3931, 68.0868,
99.9942

 7.6830, 4.7634,
10.2409


 105.6330, 90.1280,
129.0287

 3.9429, 2.1091,
5.4513

 134.2628,
116.4763, 163.2010

 1.6699, 0.6698,
2.4511

167.6480,
147.5161, 202.9295

 0.4373, 0.0000,
0.8141

206.1538,

 0.0000, 0.0000,

183.6319, 248.6329

0.0000

250.1457,
225.2080, 300.7296

■ 31.3596, 23.9621,
39.5315

■ 31.3596, 23.9621,
39.5315

■ 29.2849, 20.2807,
37.3958

■ 33.8358, 28.4338,
41.8378

■ 27.5859, 17.3396,
35.4211

■ 36.7327, 33.7355,
44.3206

■ 26.2375, 15.0881,
33.5990


■ 40.0711, 39.9082,
46.9873


■ 25.2105, 13.4677,
31.9195

■ 43.8695, 46.9890,
49.8444


■ 24.4707, 12.4105,
30.3709


■ 48.1456, 55.0131,
52.8980


 23.9671, 11.8144,
28.9361

 52.9161, 64.0137,
56.1539

 23.8522, 11.6885,
28.5775

 58.1967, 74.0224,
59.6176

 63.9372, 84.9384,
63.2726

 64.2980, 85.0828,
65.1726

Harmonies

Analogous

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



27.7228, 23.9621, 53.3537



31.3596, 23.9621, 39.5315



32.6139, 23.9621, 25.1643

Triad

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



31.3596, 23.9621, 39.5315



22.4495, 23.9621, 8.2814



16.1798, 23.9621, 41.7126

Complementary

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



31.3596, 23.9621, 39.5315



26.4413, 37.1409, 24.8456

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.



15.1457, 23.9621, 27.0395



31.3596, 23.9621, 39.5315



18.4544, 23.9621, 10.1795

Square

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



31.3596, 23.9621, 39.5315



27.0814, 23.9621, 9.6870



15.9206, 23.9621, 16.1046



18.9516, 23.9621, 54.8785

Rectangle

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



31.3596, 23.9621, 39.5315



31.8127, 23.9621, 17.7818



15.9206, 23.9621, 16.1046



15.6354, 23.9621, 36.6526

Sweetspot

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



31.3604, 23.9632, 39.5320



69.4239, 67.1322, 82.3182



22.1242, 19.0676, 45.1625



15.2026, 14.5434, 18.0957



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.3604, 23.9632, 39.5320



53.0199, 37.3272, 67.5919



28.7118, 22.9038, 25.5851



8.7834, 8.6201, 10.3579



16.8767, 8.2682, 20.3084



0.5481, 0.2670, 0.7288

Inverse Universe

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



31.3604, 23.9632, 39.5320



53.0199, 37.3272, 67.5919



28.8605, 38.1085, 37.5848



8.7834, 8.6201, 10.3579



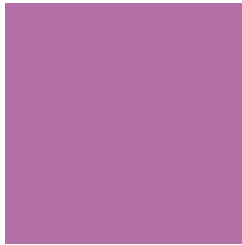
16.8767, 8.2682, 20.3084



0.5481, 0.2670, 0.7288

Previews

White Background



This preview shows how the XYZ color 31.3596, 23.9621, 39.5315 looks on a white background.

Color Contrast Check

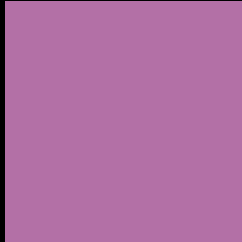
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3596, 23.9621, 39.5315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

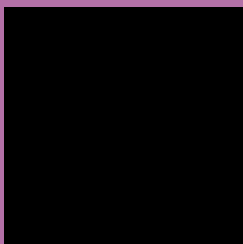
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3596, 23.9621, 39.5315

Background



This preview shows how black text looks on a background with the XYZ color 31.3596, 23.9621, 39.5315.



This preview shows how white text looks on a background with the XYZ color 31.3596, 23.9621,

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

31.3596, 23.9621, 39.5315

Protanopia

24.7162, 24.2174, 47.6277

Deuteranopia

24.6936, 24.2152, 38.0228



Tritanopia

28.1345, 24.0166, 23.9217

Trichromacy



Original Color

31.3596, 23.9621, 39.5315

Protanomaly

26.4248, 23.5923, 44.7560

Deuteranomaly

26.6121, 23.8316, 38.3193

Tritanomaly

29.2237, 23.9359, 29.0664

Monochromacy



Original Color

31.3596, 23.9621, 39.5315

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.4119, 24.6427, 31.7982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3596, 23.9621, 39.5315 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(179, 112, 167)` looks like.

```
.text, #text, p{  
    color:rgb(179, 112, 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(179, 112, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 112, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.3596, 23.9621, 39.5315 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(179, 112, 167) }
```


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

```
.border{ border-color:rgb(179, 112, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 112, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 112, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 112, 167);  
box-shadow:4px 4px 4px 4px rgb(179, 112,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3596, 23.9621, 39.5315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 112, 167) }
```

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

```
.background{ background-color: rgb(179,  
112, 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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