

Converting Colors

XYZ(32.0083, 23.6463, 44.3751)

Have a look what the booklet for
XYZ(32.0083, 23.6463, 44.3751)
contains.

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Color

**XYZ(31.9949, 23.6953,
44.4823)**

Conversions

Conversions Part 1

Format	Color
Hex	B36DB1
RGB	179, 109, 177
RGB Percent	70%, 43%, 69%
CMY	0.2980, 0.5725, 0.3059
CMYK	0.00, 0.39, 0.01, 0.30
HSL	302°, 32%, 56%
HSV	302°, 39%, 70%
XYZ	31.9949, 23.6953, 44.4823
YIQ	137.6820, 19.8920, 35.9880

Conversions

Conversions Part 2

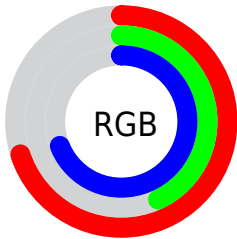
Format	Color
R _Y B	179, 109, 177
Decimal	11759025
CIE Lab	55.78, 38.41, -24.64
CIE LCh	56, 45.638, 327.322
Yxy	23.6953, 0.3194, 0.2365
Android (android.graphics.Color)	4289949105 (0xFFB36DB1)
YUV	137.6820, 19.3838, 36.2359
Hunter-Lab	48.6778, 32.1381, -20.1053

Details

The XYZ color **31.9949, 23.6953, 44.4823** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.2971, 36.6400, 20.7792**, and the grayscale version is **23.9604, 25.2082, 27.4517**.

A 20% lighter version of the original color is **62.2204, 49.5567, 83.3768**, and **13.6595, 8.9431, 20.0750** is the 20% darker color. If you saturate the color by 10%, you get **30.2257, 20.2378, 43.6416**, and if you desaturate by 10%, it is **34.1547, 27.9327, 45.4546**.

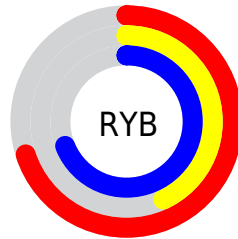
Distribution



Red (70%)

Green (43%)

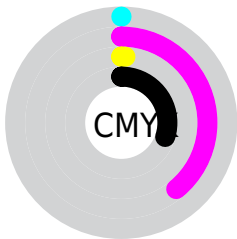
Blue (69%)



Red (70%)

Yellow (43%)

Blue (69%)

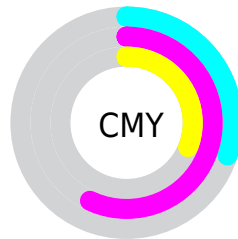


Cyan (0%)

Magenta (39%)

Yellow (1%)

Black (30%)



Cyan (30%)


Magenta (57%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9949, 23.6953, 44.4823 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 31.9949, 23.6953, 44.4823 by changing the saturation by 10% instead.

 31.9949, 23.6953,
44.4823


 31.9949, 23.6953,
44.4823


302.8417,
271.2764, 380.7716

 21.5131, 15.1077,
30.7099


 62.1683, 49.5325,
83.2532


 13.6142, 8.8950,
20.1214


 82.5907, 67.5510,
109.0887

 7.9327, 4.6728,
12.2984


 107.0574, 89.4818,
139.7824

 4.1034, 2.0566,
6.8222

 135.9336,
115.7095, 175.7528

 1.7608, 0.6400,
3.2744

169.5848,
146.6184, 217.4183

 0.4939, 0.0000,
1.2364

208.3763,

 0.0000, 0.0000,

182.5930, 265.1976

0.0088

252.6735,
224.0175, 319.5092

■ 0.0000, 0.0000,
0.0000

■ 31.9949, 23.6953,
44.4823

■ 31.9949, 23.6953,
44.4823

■ 30.2257, 20.2378,
43.6416

■ 34.1547, 27.9327,
45.4546

■ 28.8209, 17.5095,
42.9232

■ 36.7245, 32.9902,
46.5642

■ 27.7551, 15.4587,
42.3186

■ 39.7253, 38.9093,
47.8185

■ 26.9983, 14.0256,
41.8180

■ 43.1758, 45.7276,
49.2236

■ 26.5154, 13.1401,
41.4096

■ 47.0937, 53.4805,
50.7855

■ 26.2414, 12.6720,
41.0718

■ 51.4959, 62.2015,
52.5097

■ 26.2195, 12.6354,
41.0425

■ 56.3981, 71.9224,
54.4016

■ 61.8157, 82.6736,
56.4662

■ 62.7535, 84.4650,
57.0385

Harmonies

Analogous

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



27.4127, 23.6953, 60.3731



31.9949, 23.6953, 44.4823



34.0157, 23.6953, 27.1568

Triad

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



31.9949, 23.6953, 44.4823



22.9905, 23.6953, 6.5019



14.7771, 23.6953, 41.2432

Complementary

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



31.9949, 23.6953, 44.4823



25.2971, 36.6400, 20.7792

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.



13.9613, 23.6953, 24.4894



31.9949, 23.6953, 44.4823



18.2500, 23.6953, 7.8427

Square

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



31.9949, 23.6953, 44.4823



28.3424, 23.6953, 8.4612



15.1314, 23.6953, 13.2544



17.5580, 23.6953, 58.0530

Rectangle

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



31.9949, 23.6953, 44.4823



33.4383, 23.6953, 18.2009



15.1314, 23.6953, 13.2544



14.2844, 23.6953, 35.2655

Sweetspot

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



31.9957, 23.6964, 44.4828



69.3961, 66.2308, 84.9158



20.0575, 17.5188, 44.9729



15.2193, 14.3668, 18.7484



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.



31.9957, 23.6964, 44.4828



54.5097, 36.9801, 78.3443



29.0053, 22.5002, 28.7358



8.8393, 8.6425, 10.6523



18.5319, 8.9303, 29.0247



0.5863, 0.2823, 0.9304

Inverse Universe

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



31.9957, 23.6964, 44.4828



54.5097, 36.9801, 78.3443



27.5515, 37.5418, 32.6507



8.8393, 8.6425, 10.6523



18.5319, 8.9303, 29.0247



0.5863, 0.2823, 0.9304

Previews

White Background



This preview shows how the XYZ color 31.9949, 23.6953, 44.4823 looks on a white background.

Color Contrast Check

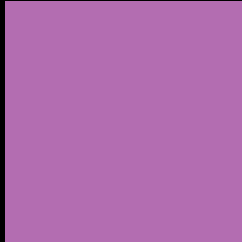
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9949, 23.6953, 44.4823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

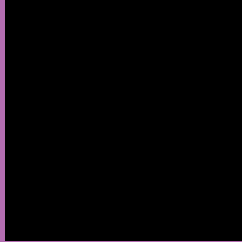
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9949, 23.6953, 44.4823

Background



This preview shows how black text looks on a background with the XYZ color 31.9949, 23.6953, 44.4823.



This preview shows how white text looks on a background with the XYZ color 31.9949, 23.6953,

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

31.9949, 23.6953, 44.4823

Protanopia

25.0410, 24.0201, 54.9463

Deuteranopia

24.3983, 23.9553, 42.8731



Tritanopia

27.7267, 23.6364, 23.5230

Trichromacy



Original Color

31.9949, 23.6953, 44.4823

Protanomaly

26.7660, 23.4494, 50.6924

Deuteranomaly

26.5247, 23.4910, 43.1806

Tritanomaly

28.9982, 23.4508, 30.1922

Monochromacy



Original Color

31.9949, 23.6953, 44.4823

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.3937, 24.2180, 32.9892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9949, 23.6953, 44.4823 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, 109, 177)` looks like.

```
.text, #text, p{  
    color:rgb(179, 109, 177)  
}
```

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, 109, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 109, 177) }
```

Border

The CSS property to change the border of an element to XYZ 31.9949, 23.6953, 44.4823 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, 109, 177) }
```


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

```
.border{ border-color:rgb(179, 109, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 109, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 109, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 109, 177);  
box-shadow:4px 4px 4px 4px rgb(179, 109,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9949, 23.6953, 44.4823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 109, 177) }
```

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

```
.background{ background-color: rgb(179,  
109, 177) }
```

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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