

Converting Colors

XYZ(23.7921, 16.3674, 27.1909)

Have a look what the booklet for
XYZ(23.7921, 16.3674, 27.1909)
contains.

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Color

**XYZ(23.7039, 16.3707,
27.1098)**

Conversions

Conversions Part 1

Format	Color
Hex	A6548D
RGB	166, 84, 141
RGB Percent	65%, 33%, 55%
CMY	0.3490, 0.6706, 0.4471
CMYK	0.00, 0.49, 0.15, 0.35
HSL	318°, 33%, 49%
HSV	318°, 49%, 65%
XYZ	23.7039, 16.3707, 27.1098
YIQ	115.0160, 30.5750, 35.1110

Conversions

Conversions Part 2

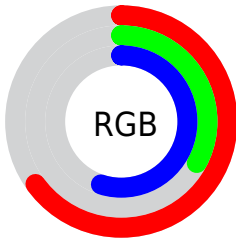
Format	Color
R_{YB}	166, 84, 141
Decimal	10900621
CIE _{Lab}	47.46, 41.20, -16.41
CIE _{LCh}	47, 44.351, 338.281
Yxy	16.3707, 0.3528, 0.2437
Android (android.graphics.Color)	4289090701 (0xFFA6548D)
YUV	115.0160, 12.8101, 44.7130
Hunter-Lab	40.4607, 33.7679, -11.4034

Details

The XYZ color **23.7039, 16.3707, 27.1098** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.0534, 30.2619, 19.2535**, and the grayscale version is **16.2569, 17.1036, 18.6258**.

A 20% lighter version of the original color is **49.0859, 37.2364, 56.2300**, and **9.1143, 5.2878, 10.4378** is the 20% darker color. If you saturate the color by 10%, you get **22.1969, 13.9454, 24.7917**, and if you desaturate by 10%, it is **25.5345, 19.4150, 29.6210**.

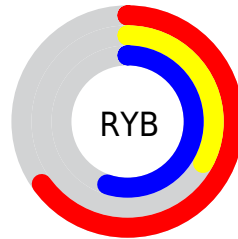
Distribution



Red (65%)

Green (33%)

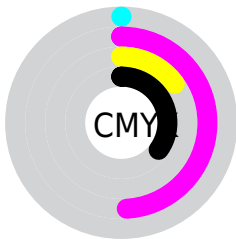
Blue (55%)



Red (65%)

Yellow (33%)

Blue (55%)

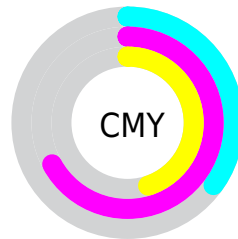


Cyan (0%)

Magenta (49%)

Yellow (15%)

Black (35%)



Cyan (35%)

Magenta (67%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7039, 16.3707, 27.1098 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 23.7039, 16.3707, 27.1098 by changing the saturation by 10% instead.

■ 23.7039, 16.3707,
27.1098

■ 23.7039, 16.3707,
27.1098

263.7884,
231.5193, 301.9653

■ 15.2377, 9.7868,
17.4225

■ 49.0048, 37.2406,
56.0659

■ 9.0738, 5.2579,
10.3711

■ 66.5701, 52.2954,
76.1718

■ 4.8468, 2.3993,
5.5369

■ 87.8992, 70.9426,
100.5877

■ 2.1915, 0.8255,
2.5014

■ 113.3574, 93.5667,
129.7320

■ 0.7383, 0.0000,
0.8409

■ 143.3101,
120.5520, 164.0234

■ 0.0000, 0.0000,
0.0000

178.1226,

152.2830, 203.8804

218.1602,
189.1439, 249.7216

■ 23.7039, 16.3707,
27.1098

■ 23.7039, 16.3707,
27.1098

■ 22.1969, 13.9454,
24.7917

■ 25.5345, 19.4150,
29.6210

■ 20.9898, 12.0930,
22.6573

■ 27.7070, 23.1157,
32.3320

■ 20.0580, 10.7644,
20.6973

■ 30.2405, 27.5098,
35.2504

■ 19.3721, 9.9014,
18.9008

■ 33.1517, 32.6310,
38.3829

■ 18.8715, 9.3827,
17.2463

■ 36.4567, 38.5106,
41.7359

■ 18.8429, 9.3538,
17.1493

■ 40.1703, 45.1783,
45.3153

■ 44.3067, 52.6621,
49.1269

■ 48.8795, 60.9885,
53.1761

■ 53.9014, 70.1830,
57.4682

Harmonies

Analogous

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



20.7358, 16.3707, 40.8295



23.7039, 16.3707, 27.1098



24.3160, 16.3707, 14.8814

Triad

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



23.7039, 16.3707, 27.1098



14.4949, 16.3707, 3.8283



10.3426, 16.3707, 34.9092

Complementary

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



23.7039, 16.3707, 27.1098



20.0534, 30.2619, 19.2535

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.



9.2074, 16.3707, 21.1330



23.7039, 16.3707, 27.1098



11.3260, 16.3707, 5.6493

Square

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



23.7039, 16.3707, 27.1098



18.5321, 16.3707, 4.3186



9.5343, 16.3707, 10.9465



12.9237, 16.3707, 46.4988

Rectangle

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



23.7039, 16.3707, 27.1098



23.2224, 16.3707, 9.4007



9.5343, 16.3707, 10.9465



9.8009, 16.3707, 30.1944

Sweetspot

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



23.7044, 16.3715, 27.1101



56.9735, 53.5902, 66.2683



16.3116, 12.3206, 37.5951



12.5158, 11.5823, 14.5749



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.



23.7044, 16.3715, 27.1101



40.1141, 25.0409, 44.7121



21.2165, 15.3763, 14.0090



7.7430, 7.6271, 8.9640



14.6331, 7.2620, 13.4115



0.3772, 0.1852, 0.4378

Inverse Universe

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



23.7044, 16.3715, 27.1101



40.1141, 25.0409, 44.7121



22.7658, 31.3468, 33.5368



7.7430, 7.6271, 8.9640



14.6331, 7.2620, 13.4115



0.3772, 0.1852, 0.4378

Previews

White Background



This preview shows how the XYZ color 23.7039, 16.3707, 27.1098 looks on a white background.

Color Contrast Check

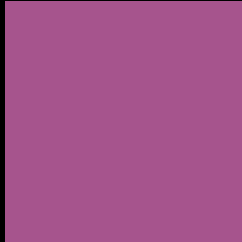
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.7039, 16.3707, 27.1098 looks on a black 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

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

XYZ 23.7039, 16.3707, 27.1098

Background



This preview shows how black text looks on a background with the XYZ color 23.7039, 16.3707, 27.1098.



This preview shows how white text looks on a background with the XYZ color 23.7039, 16.3707,

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

23.7039, 16.3707, 27.1098

Protanopia

17.0472, 16.4835, 36.0014

Deuteranopia

16.8105, 16.5912, 25.6090



Tritanopia

21.1149, 16.4302, 14.1151

Trichromacy



Original Color

23.7039, 16.3707, 27.1098

Protanomaly

18.5125, 15.7780, 32.6416

Deuteranomaly

18.7568, 16.0479, 26.1537

Tritanomaly

21.8549, 16.3367, 18.2211

Monochromacy



Original Color

23.7039, 16.3707, 27.1098

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.4199, 16.4242, 21.2681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7039, 16.3707, 27.1098 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, 84, 141)` looks like.

```
.text, #text, p{  
    color:rgb(166, 84, 141)  
}
```

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, 84, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 84, 141) }
```

Border

The CSS property to change the border of an element to XYZ 23.7039, 16.3707, 27.1098 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, 84, 141) }
```


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

```
.border{ border-color:rgb(166, 84, 141) }
```

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

Here you see how a box with a 4 pixel rgb(166, 84, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 84, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 84, 141);  
box-shadow:4px 4px 4px 4px rgb(166, 84,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7039, 16.3707, 27.1098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 84, 141) }
```

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

```
.background{ background-color: rgb(166, 84,  
141) }
```

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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