

Converting Colors

XYZ(23.3200, 12.2344, 36.6196)

Have a look what the booklet for
XYZ(23.3200, 12.2344, 36.6196)
contains.

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Color

**XYZ(23.3894, 12.2552,
36.7300)**

Conversions

Conversions Part 1

Format	Color
Hex	A725A5
RGB	167, 37, 165
RGB Percent	65%, 15%, 65%
CMY	0.3451, 0.8549, 0.3529
CMYK	0.00, 0.78, 0.01, 0.35
HSL	301°, 64%, 40%
HSV	301°, 78%, 65%
XYZ	23.3894, 12.2552, 36.7300
YIQ	90.4620, 36.3920, 67.3680

Conversions

Conversions Part 2

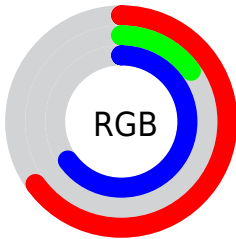
Format	Color
R_{YB}	167, 37, 165
Decimal	10954149
CIE _{Lab}	41.62, 64.97, -39.88
CIE _{LCh}	42, 76.234, 328.456
Yxy	12.2552, 0.3232, 0.1693
Android (android.graphics.Color)	4289144229 (0xFFA725A5)
YUV	90.4620, 36.7472, 67.1238
Hunter-Lab	35.0074, 57.9976, -37.7022

Details

The XYZ color **23.3894, 12.2552, 36.7300** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.9484, 28.1777, 6.5711**, and the grayscale version is **9.7370, 10.2441, 11.1558**.

A 20% lighter version of the original color is **48.4702, 29.9634, 71.6355**, and **9.4802, 4.5494, 15.7077** is the 20% darker color. If you saturate the color by 10%, you get **22.9603, 11.4341, 36.4717**, and if you desaturate by 10%, it is **24.0571, 13.5527, 37.0682**.

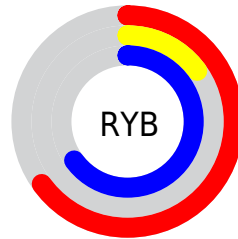
Distribution



Red (65%)

Green (15%)

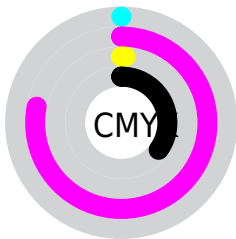
Blue (65%)



Red (65%)

Yellow (15%)

Blue (65%)

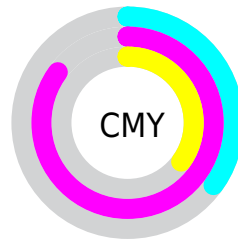


Cyan (0%)

Magenta (78%)

Yellow (1%)

Black (35%)



Cyan (35%)


Magenta (85%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3894, 12.2552, 36.7300 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 23.3894, 12.2552, 36.7300 by changing the saturation by 10% instead.


 23.3894, 12.2552,
36.7300


 23.3894, 12.2552,
36.7300


262.2169,
206.0875, 347.2735


 15.0036, 6.9177,
24.7044


 48.4939, 29.9591,
71.3390


 8.9082, 3.4107,
15.6399


 65.9433, 43.0942,
94.7595


 4.7380, 1.3497,
9.1181


 87.1446, 59.5974,
122.8153

 2.1275, 0.1792,
4.7204

 112.4631, 79.8530,
155.9250

 0.7041, 0.0000,
2.0283

 142.2643,
104.2455, 194.5071

 0.0000, 0.0000,
0.5726

 176.9134,

 0.0000, 0.0000,

133.1591, 238.9802

0.0000

216.7758,
166.9783, 289.7628

■ 23.3894, 12.2552,
36.7300

■ 23.3894, 12.2552,
36.7300

■ 22.9603, 11.4341,
36.4717

■ 24.0571, 13.5527,
37.0682

■ 22.7205, 10.9918,
36.2767

■ 24.9907, 15.3824,
37.4952

■ 22.6764, 10.9115,
36.2372

■ 26.2154, 17.7941,
38.0194

■ 27.7530, 20.8316,
38.6482

■ 29.6233, 24.5345,
39.3881

■ 31.8445, 28.9390,
40.2452

■ 34.4334, 34.0788,
41.2251

■ 37.4057, 39.9855,
42.3330

■ 40.7763, 46.6885,
43.5740

Harmonies

Analogous

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



17.5430, 12.2552, 62.6709



23.3894, 12.2552, 36.7300



25.9972, 12.2552, 14.1889

Triad

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



23.3894, 12.2552, 36.7300



11.9396, 12.2552, 0.0000



4.5338, 12.2552, 33.9853

Complementary

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



23.3894, 12.2552, 36.7300



14.9484, 28.1777, 6.5711

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.



3.8794, 12.2552, 12.5330



23.3894, 12.2552, 36.7300



7.2484, 12.2552, 0.3309

Square

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



23.3894, 12.2552, 36.7300



18.2091, 12.2552, 0.4745



4.6897, 12.2552, 2.8613



6.8896, 12.2552, 60.3779

Rectangle

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



23.3894, 12.2552, 36.7300



25.0728, 12.2552, 5.7901



4.6897, 12.2552, 2.8613



4.1485, 12.2552, 25.6226

Sweetspot

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



23.3899, 12.2558, 36.7302



54.7334, 47.2703, 71.1934



8.4001, 4.5071, 36.9869



11.9491, 9.9850, 15.8157



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.



23.3899, 12.2558, 36.7302



40.8069, 19.8970, 65.0724



18.9968, 10.4985, 13.5965



7.8369, 7.6646, 9.4581



17.3537, 8.3502, 27.7380



0.4237, 0.2038, 0.6828

Inverse Universe

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



23.3899, 12.2558, 36.7302



40.8069, 19.8970, 65.0724



16.9805, 28.9906, 17.2721



7.8369, 7.6646, 9.4581



17.3537, 8.3502, 27.7380



0.4237, 0.2038, 0.6828

Previews

White Background



This preview shows how the XYZ color 23.3894, 12.2552, 36.7300 looks on a white background.

Color Contrast Check

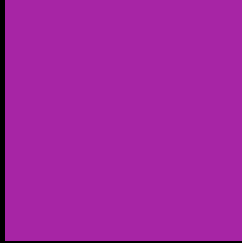
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3894, 12.2552, 36.7300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

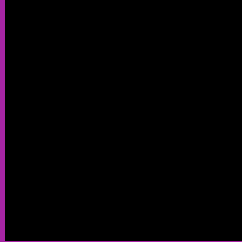
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3894, 12.2552, 36.7300

Background



This preview shows how black text looks on a background with the XYZ color 23.3894, 12.2552, 36.7300.



This preview shows how white text looks on a background with the XYZ color 23.3894, 12.2552,

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

23.3894, 12.2552, 36.7300

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

12.8465, 12.5529, 33.1984



Tritanopia

17.5615, 12.3387, 8.4772

Trichromacy



Original Color

23.3894, 12.2552, 36.7300



Protanomaly

13.6259, 9.6984, 49.2979



Deuteranomaly

14.5514, 10.6151, 34.0829



Tritanomaly

19.0222, 11.8091, 15.7448

Monochromacy



Original Color

23.3894, 12.2552, 36.7300



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

12.9353, 9.6424, 18.0090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3894, 12.2552, 36.7300 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(167, 37, 165)` looks like.

```
.text, #text, p{  
    color:rgb(167, 37, 165)  
}
```

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(167, 37, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 37, 165) }
```

Border

The CSS property to change the border of an element to XYZ 23.3894, 12.2552, 36.7300 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(167, 37, 165) }
```


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

```
.border{ border-color:rgb(167, 37, 165) }
```

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

Here you see how a box with a 4 pixel rgb(167, 37, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 37, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 37, 165);  
box-shadow:4px 4px 4px 4px rgb(167, 37,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3894, 12.2552, 36.7300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 37, 165) }
```

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

```
.background{ background-color: rgb(167, 37,  
165) }
```

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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