

Converting Colors

XYZ(23.9635, 12.5331, 32.8650)

Have a look what the booklet for
XYZ(23.9635, 12.5331, 32.8650)
contains.

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Color

**XYZ(23.9204, 12.5206,
33.0543)**

Conversions

Conversions Part 1

Format	Color
Hex	AD239D
RGB	173, 35, 157
RGB Percent	68%, 14%, 62%
CMY	0.3216, 0.8627, 0.3843
CMYK	0.00, 0.80, 0.09, 0.32
HSL	307°, 66%, 41%
HSV	307°, 80%, 68%
XYZ	23.9204, 12.5206, 33.0543
YIQ	90.1700, 43.0860, 67.1980

Conversions

Conversions Part 2

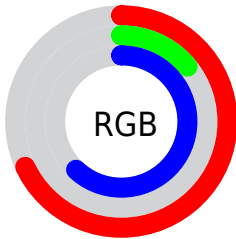
Format	Color
R_{YB}	173, 35, 157
Decimal	11346845
CIE _{Lab}	42.03, 65.54, -34.36
CIE _{LCh}	42, 74.004, 332.334
Yxy	12.5206, 0.3442, 0.1802
Android (android.graphics.Color)	4289536925 (0xFFAD239D)
YUV	90.1700, 32.9472, 72.6419
Hunter-Lab	35.3845, 58.7457, -30.6165

Details

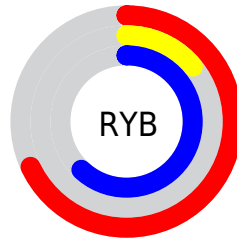
The XYZ color **23.9204, 12.5206, 33.0543** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.2349, 30.4840, 8.1613**, and the grayscale version is **9.6789, 10.1830, 11.0893**.

A 20% lighter version of the original color is **49.4371, 30.4587, 65.5608**, and **9.7523, 4.7329, 13.7641** is the 20% darker color. If you saturate the color by 10%, you get **23.3613, 11.6739, 32.0299**, and if you desaturate by 10%, it is **24.7341, 13.8713, 34.1776**.

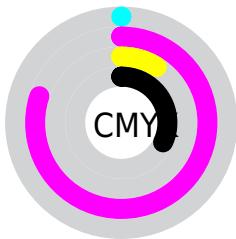
Distribution



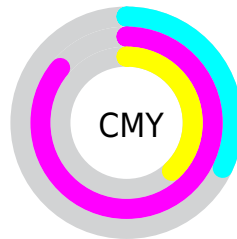
- Red (68%)
- Green (14%)
- Blue (62%)



- Red (68%)
- Yellow (14%)
- Blue (62%)



- Cyan (0%)
- Magenta (80%)
- Yellow (9%)
- Black (32%)





- Cyan (32%)
- Magenta (86%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9204, 12.5206, 33.0543 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 23.9204, 12.5206, 33.0543 by changing the saturation by 10% instead.


 23.9204, 12.5206,
33.0543

 23.9204, 12.5206,
33.0543


264.8657,
207.8220, 330.5339


 15.3990, 7.0993,
21.8966


 49.3559, 30.4398,
65.5773

 9.1880, 3.5243,
13.5833


 67.0007, 43.7064,
87.7796


 4.9221, 1.4112,
7.6960


 88.4174, 60.3570,
114.5006

 2.2359, 0.2249,
3.8161

 113.9712, 80.7758,
146.1588

 0.7616, 0.0000,
1.5250

 144.0276,
105.3473, 183.1726

 0.0000, 0.0000,
0.2364

 178.9519,

 0.0000, 0.0000,

134.4560, 225.9607

0.0000

219.1095,
168.4860, 274.9416

■ 23.9204, 12.5206,
33.0543

■ 23.9204, 12.5206,
33.0543

■ 23.3613, 11.6739,
32.0299

■ 24.7341, 13.8713,
34.1776

■ 22.9870, 11.1927,
31.0809

■ 25.8336, 15.7895,
35.4100

■ 22.9787, 11.1823,
31.0588

■ 27.2470, 18.3309,
36.7611

■ 28.9988, 21.5445,
38.2390

■ 31.1109, 25.4742,
39.8511

■ 33.6035, 30.1601,
41.6043

■ 36.4952, 35.6397,
43.5048

■ 39.8033, 41.9475,
45.5584

■ 43.5443, 49.1164,
47.7706

Harmonies

Analogous

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



18.4907, 12.5206, 58.4931



23.9204, 12.5206, 33.0543



25.8811, 12.5206, 12.4378

Triad

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



23.9204, 12.5206, 33.0543



11.4755, 12.5206, 0.0000



5.0209, 12.5206, 37.0559

Complementary

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



23.9204, 12.5206, 33.0543



16.2349, 30.4840, 8.1613

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.



4.1592, 12.5206, 14.9019



23.9204, 12.5206, 33.0543



7.0980, 12.5206, 0.6949

Square

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



23.9204, 12.5206, 33.0543



17.5094, 12.5206, 0.4842



4.7829, 12.5206, 3.8586



7.6390, 12.5206, 61.8060

Rectangle

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



23.9204, 12.5206, 33.0543



24.5880, 12.5206, 5.0660



4.7829, 12.5206, 3.8586



4.5602, 12.5206, 28.6610

Sweetspot

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



23.9209, 12.5212, 33.0545



58.0168, 49.9352, 73.0170



9.4015, 4.8679, 39.9796



12.2811, 10.2377, 15.6356



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.9209, 12.5212, 33.0545



41.3198, 20.2493, 56.0204



19.6892, 10.8286, 10.7711



8.2965, 8.1318, 9.8721



16.8946, 8.2204, 22.8884



0.4811, 0.2331, 0.6950

Inverse Universe

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



23.9209, 12.5212, 33.0545



41.3198, 20.2493, 56.0204



18.8955, 31.5482, 22.1720



8.2965, 8.1318, 9.8721



16.8946, 8.2204, 22.8884



0.4811, 0.2331, 0.6950

Previews

White Background



This preview shows how the XYZ color 23.9204, 12.5206, 33.0543 looks on a white background.

Color Contrast Check

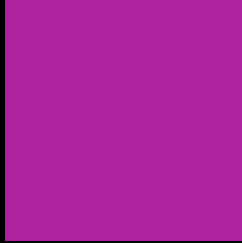
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9204, 12.5206, 33.0543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

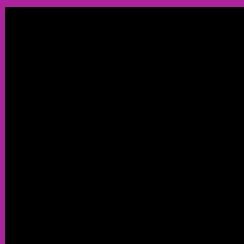
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 23.9204, 12.5206, 33.0543

Background



This preview shows how black text looks on a background with the XYZ color 23.9204, 12.5206, 33.0543.



This preview shows how white text looks on a background with the XYZ color 23.9204, 12.5206,

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

23.9204, 12.5206, 33.0543

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

13.1269, 12.9147, 29.8179



Tritanopia

18.7868, 12.6146, 7.7480

Trichromacy



Original Color

23.9204, 12.5206, 33.0543



Protanomaly

13.5758, 9.5852, 48.7116



Deuteranomaly

14.9804, 10.9140, 30.5952



Tritanomaly

20.0613, 12.1527, 14.3851

Monochromacy



Original Color

23.9204, 12.5206, 33.0543



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

12.9732, 9.5883, 17.0866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9204, 12.5206, 33.0543 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(173, 35, 157)` looks like.

```
.text, #text, p{  
    color:rgb(173, 35, 157)  
}
```

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(173, 35, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 35, 157) }
```

Border

The CSS property to change the border of an element to XYZ 23.9204, 12.5206, 33.0543 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(173, 35, 157) }
```


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

```
.border{ border-color:rgb(173, 35, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 35, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 35, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 35, 157);  
box-shadow:4px 4px 4px 4px rgb(173, 35,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9204, 12.5206, 33.0543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 35, 157) }
```

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

```
.background{ background-color: rgb(173, 35,  
157) }
```

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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