

Converting Colors

XYZ(24.5100, 11.8050, 38.6611)

Have a look what the booklet for
XYZ(24.5100, 11.8050, 38.6611)
contains.

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Color

**XYZ(24.3950, 11.7488,
38.5181)**

Conversions

Conversions Part 1

Format	Color
Hex	AD00A9
RGB	173, 0, 169
RGB Percent	68%, 0%, 66%
CMY	0.3216, 0.9999, 0.3373
CMYK	0.00, 1.00, 0.02, 0.32
HSL	301°, 100%, 34%
HSV	301°, 100%, 68%
XYZ	24.3950, 11.7488, 38.5181
YIQ	70.9930, 48.8590, 89.2350

Conversions

Conversions Part 2

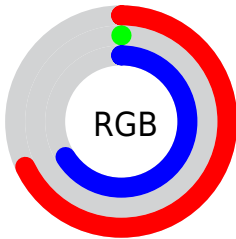
Format	Color
R_{YB}	173, 0, 169
Decimal	11337897
CIE _{Lab}	40.81, 72.87, -43.49
CIE _{LCh}	41, 84.859, 329.167
Yxy	11.7488, 0.3267, 0.1574
Android (android.graphics.Color)	4289527977 (0xFFAD00A9)
YUV	70.9930, 48.3175, 89.4601
Hunter-Lab	34.2765, 67.0566, -42.6333

Details

The XYZ color **24.3950, 11.7488, 38.5181** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.9660, 29.8965, 5.0972**, and the grayscale version is **5.9052, 6.2127, 6.7657**.

A 20% lighter version of the original color is **50.1178, 29.0890, 74.2074**, and **10.3548, 4.9740, 16.9373** is the 20% darker color. If you saturate the color by 10%, you get **24.3952, 11.7489, 38.5180**, and if you desaturate by 10%, it is **24.6383, 12.1749, 38.7849**.

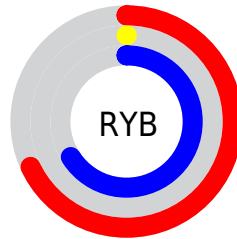
Distribution



Red (68%)

Green (0%)

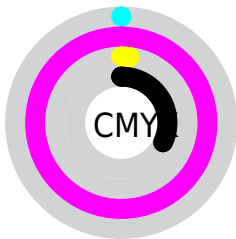
Blue (66%)



Red (68%)

Yellow (0%)

Blue (66%)

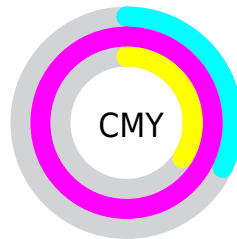


Cyan (0%)

Magenta (100%)

Yellow (2%)

Black (32%)



Cyan (32%)


Magenta (100%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3950, 11.7488, 38.5181 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 24.3950, 11.7488, 38.5181 by changing the saturation by 10% instead.


 24.3950, 11.7488,
38.5181


 24.3950, 11.7488,
38.5181


267.2150,
202.7351, 355.2019

 15.7532, 6.5729,
26.0801


 50.1240, 29.0368,
74.1138


 9.4394, 3.1964,
16.6573


 67.9420, 41.9176,
98.1085


 5.0883, 1.2351,
9.8311


 89.5493, 58.1355,
126.7926

 2.3344, 0.0901,
5.1830

 115.3115, 78.0749,
160.5846

 0.8122, 0.0000,
2.2944

 145.5938,
102.1201, 199.9029

 0.0000, 0.0000,
0.7281

 180.7615,

 0.0000, 0.0000,

130.6557, 245.1662

0.0000

221.1802,
164.0659, 296.7930

■ 24.3950, 11.7488,
38.5181

■ 24.3950, 11.7488,
38.5181

■ 24.3952, 11.7489,
38.5180

■ 24.6383, 12.1749,
38.7849

■ 25.0605, 12.9589,
39.1118

■ 25.7329, 14.2430,
39.5227

■ 26.6881, 16.0927,
40.0284

■ 27.9540, 18.5635,
40.6383

■ 29.5550, 21.7043,
41.3604

■ 31.5131, 25.5592,
42.2022

■ 33.8484, 30.1684,
43.1702

■ 36.5797, 35.5692,
44.2708

Harmonies

Analogous

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



17.8337, 11.7488, 69.3213



24.3950, 11.7488, 38.5181



27.2607, 11.7488, 13.2818

Triad

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



24.3950, 11.7488, 38.5181



11.3365, 11.7488, 0.0000



3.7880, 11.7488, 36.7991

Complementary

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



24.3950, 11.7488, 38.5181



14.9660, 29.8965, 5.0972

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.



3.1167, 11.7488, 12.3153



24.3950, 11.7488, 38.5181



6.4109, 11.7488, 0.0000

Square

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



24.3950, 11.7488, 38.5181



18.2360, 11.7488, 0.0000



3.8707, 11.7488, 2.1986



6.2112, 11.7488, 67.8412

Rectangle

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



24.3950, 11.7488, 38.5181



26.1127, 11.7488, 4.6872



3.8707, 11.7488, 2.1986



3.3992, 11.7488, 27.1072

Sweetspot

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



24.3955, 11.7494, 38.5183



56.2332, 45.3716, 75.4949



7.5795, 3.0363, 39.7223



11.8964, 9.2214, 16.2687



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.



24.3955, 11.7494, 38.5183



43.6785, 21.0368, 68.9213



18.8197, 9.5190, 9.1566



8.3290, 8.1448, 10.0431



17.9248, 8.6325, 28.3131



0.5011, 0.2411, 0.8006

Inverse Universe

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



24.3955, 11.7494, 38.5183



43.6785, 21.0368, 68.9213



16.7637, 30.6156, 14.5638



8.3290, 8.1448, 10.0431



17.9248, 8.6325, 28.3131



0.5011, 0.2411, 0.8006

Previews

White Background



This preview shows how the XYZ color 24.3950, 11.7488, 38.5181 looks on a white background.

Color Contrast Check

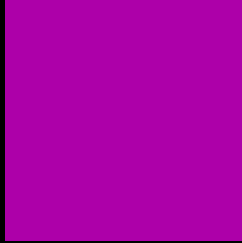
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3950, 11.7488, 38.5181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

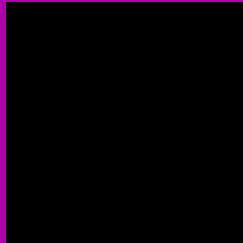
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.3950, 11.7488, 38.5181

Background



This preview shows how black text looks on a background with the XYZ color 24.3950, 11.7488, 38.5181.



This preview shows how white text looks on a background with the XYZ color 24.3950, 11.7488,

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

24.3950, 11.7488, 38.5181

Protanopia

14.7529, 12.4487, 57.5024

Deuteranopia

12.7697, 12.4836, 34.5374



Tritanopia

18.1898, 12.1379, 7.3454

Trichromacy



Original Color

24.3950, 11.7488, 38.5181



Protanomaly

12.9600, 8.0062, 49.5775



Deuteranomaly

13.9819, 9.0829, 35.6666



Tritanomaly

19.4182, 10.9330, 14.9967

Monochromacy



Original Color

24.3950, 11.7488, 38.5181



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7766, 6.1265, 14.5772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3950, 11.7488, 38.5181 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, 0, 169)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 169)  
}
```

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, 0, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 169) }
```

Border

The CSS property to change the border of an element to XYZ 24.3950, 11.7488, 38.5181 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, 0, 169) }
```


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

```
.border{ border-color:rgb(173, 0, 169) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 169);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3950, 11.7488, 38.5181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 169) }
```

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

```
.background{ background-color: rgb(173, 0,  
169) }
```

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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