

Converting Colors

XYZ(24.0504, 11.6212, 36.2412)

Have a look what the booklet for
XYZ(24.0504, 11.6212, 36.2412)
contains.

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Color

**XYZ(23.9344, 11.5646,
36.0927)**

Conversions

Conversions Part 1

Format	Color
Hex	AD00A4
RGB	173, 0, 164
RGB Percent	68%, 0%, 64%
CMY	0.3216, 0.9999, 0.3569
CMYK	0.00, 1.00, 0.05, 0.32
HSL	303°, 100%, 34%
HSV	303°, 100%, 68%
XYZ	23.9344, 11.5646, 36.0927
YIQ	70.4230, 50.4640, 87.6800

Conversions

Conversions Part 2

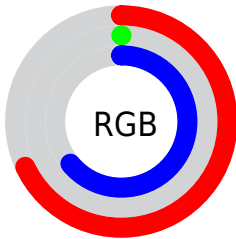
Format	Color
R_{YB}	173, 0, 164
Decimal	11337892
CIE _{Lab}	40.52, 72.14, -40.97
CIE _{LCh}	41, 82.964, 330.404
Yxy	11.5646, 0.3343, 0.1615
Android (android.graphics.Color)	4289527972 (0xFFAD00A4)
YUV	70.4230, 46.1335, 89.9600
Hunter-Lab	34.0068, 66.1188, -39.1220

Details

The XYZ color **23.9344, 11.5646, 36.0927** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.9934, 29.9073, 5.2416**, and the grayscale version is **5.8137, 6.1165, 6.6608**.

A 20% lighter version of the original color is **49.3673, 28.6638, 70.6409**, and **10.0717, 4.8607, 15.4463** is the 20% darker color. If you saturate the color by 10%, you get **23.9345, 11.5646, 36.0923**, and if you desaturate by 10%, it is **24.2217, 12.0083, 36.5911**.

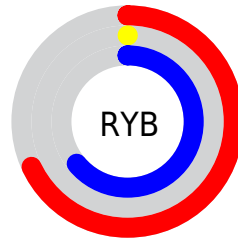
Distribution



Red (68%)

Green (0%)

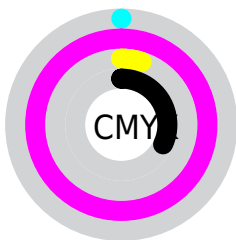
Blue (64%)



Red (68%)

Yellow (0%)

Blue (64%)

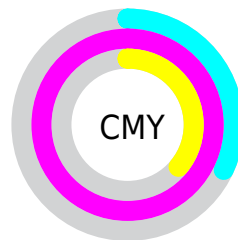


Cyan (0%)

Magenta (100%)

Yellow (5%)

Black (32%)



Cyan (32%)


Magenta (100%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9344, 11.5646, 36.0927 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 23.9344, 11.5646, 36.0927 by changing the saturation by 10% instead.


 23.9344, 11.5646,
36.0927


 23.9344, 11.5646,
36.0927


264.9353,
201.5011, 344.4152


 15.4094, 6.4479,
24.2155


 49.3786, 28.6996,
70.3458


 9.1954, 3.1193,
15.2799


 67.0285, 41.4867,
93.5588


 4.9270, 1.1943,
8.8673


 88.4508, 57.5994,
121.3875

 2.2388, 0.0571,
4.5591

 114.0108, 77.4222,
154.2504

 0.7631, 0.0000,
1.9368

 144.0739,
101.3393, 192.5661

 0.0000, 0.0000,
0.5160

 179.0055,

 0.0000, 0.0000,

129.7353, 236.7531

0.0000

219.1708,
162.9944, 287.2299

■ 23.9344, 11.5646,
36.0927

■ 23.9344, 11.5646,
36.0927

■ 23.9345, 11.5646,
36.0923

■ 24.2217, 12.0083,
36.5911

■ 24.6884, 12.8102,
37.1520

■ 25.4057, 14.1124,
37.7993

■ 26.4063, 15.9803,
38.5439

■ 27.7181, 18.4696,
39.3951

■ 29.3654, 21.6290,
40.3610

■ 31.3703, 25.5027,
41.4490

■ 33.7530, 30.1309,
42.6658

■ 36.5320, 35.5509,
44.0175

Harmonies

Analogous

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



17.7114, 11.5646, 65.6892



23.9344, 11.5646, 36.0927



26.4808, 11.5646, 12.3664

Triad

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



23.9344, 11.5646, 36.0927



10.9128, 11.5646, 0.0000



3.8723, 11.5646, 36.8912

Complementary

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



23.9344, 11.5646, 36.0927



14.9934, 29.9073, 5.2416

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.



3.1520, 11.5646, 12.8200



23.9344, 11.5646, 36.0927



6.2315, 11.5646, 0.0000

Square

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



23.9344, 11.5646, 36.0927



17.5236, 11.5646, 0.0000



3.8329, 11.5646, 2.4504



6.3259, 11.5646, 66.3737

Rectangle

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



23.9344, 11.5646, 36.0927



25.2351, 11.5646, 4.3778



3.8329, 11.5646, 2.4504



3.4683, 11.5646, 27.4632

Sweetspot

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



23.9349, 11.5652, 36.0929



55.9726, 45.2673, 74.1222



7.6517, 3.0736, 39.7255



11.8324, 9.1958, 15.9313



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.



23.9349, 11.5652, 36.0929



42.8398, 20.7014, 64.5052



18.6042, 9.4329, 8.0221



8.3188, 8.1408, 9.9896



17.5900, 8.4985, 26.5499



0.4947, 0.2386, 0.7667

Inverse Universe

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



23.9349, 11.5652, 36.0929



42.8398, 20.7014, 64.5052



17.0169, 30.7167, 15.8968



8.3188, 8.1408, 9.9896



17.5900, 8.4985, 26.5499



0.4947, 0.2386, 0.7667

Previews

White Background



This preview shows how the XYZ color 23.9344, 11.5646, 36.0927 looks on a white background.

Color Contrast Check

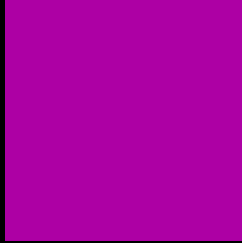
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9344, 11.5646, 36.0927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

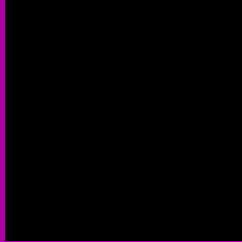
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.9344, 11.5646, 36.0927

Background



This preview shows how black text looks on a background with the XYZ color 23.9344, 11.5646, 36.0927.



This preview shows how white text looks on a background with the XYZ color 23.9344, 11.5646,

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

23.9344, 11.5646, 36.0927

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.5152, 12.2618, 32.2790



Tritanopia

18.0118, 11.8830, 6.9745

Trichromacy



Original Color

23.9344, 11.5646, 36.0927



Protanomaly

12.6354, 7.8763, 47.8680



Deuteranomaly

13.8380, 8.9780, 33.3513



Tritanomaly

19.2280, 10.8008, 14.1680

Monochromacy



Original Color

23.9344, 11.5646, 36.0927



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.5005, 6.0020, 13.7545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9344, 11.5646, 36.0927 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 164) }
```

Border

The CSS property to change the border of an element to XYZ 23.9344, 11.5646, 36.0927 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, 164) }
```


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

```
.border{ border-color:rgb(173, 0, 164) }
```

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, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 164);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9344, 11.5646, 36.0927 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, 164) }
```

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

```
.background{ background-color: rgb(173, 0,  
164) }
```

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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