

Converting Colors

XYZ(23.1535, 11.3287, 39.4255)

Have a look what the booklet for
XYZ(23.1535, 11.3287, 39.4255)
contains.

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Color

**XYZ(23.2336, 11.3613,
39.4965)**

Conversions

Conversions Part 1

Format	Color
Hex	A60EAB
RGB	166, 14, 171
RGB Percent	65%, 5%, 67%
CMY	0.3490, 0.9451, 0.3294
CMYK	0.03, 0.92, 0.00, 0.33
HSL	298°, 85%, 36%
HSV	298°, 92%, 67%
XYZ	23.2336, 11.3613, 39.4965
YIQ	77.3460, 40.1950, 81.0510

Conversions

Conversions Part 2

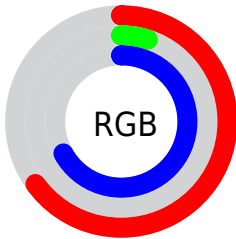
Format	Color
R_{YB}	166, 14, 171
Decimal	10882731
CIE _{Lab}	40.18, 70.46, -45.77
CIE _{LCh}	40, 84.024, 326.994
Yxy	11.3613, 0.3136, 0.1533
Android (android.graphics.Color)	4289072811 (0xFFA60EAB)
YUV	77.3460, 46.1714, 77.7496
Hunter-Lab	33.7065, 64.0520, -45.8800

Details

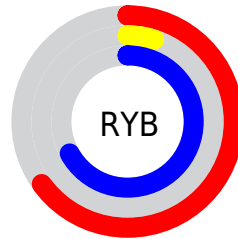
The XYZ color **23.2336, 11.3613, 39.4965** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.9111, 29.2963, 5.2847**, and the grayscale version is **7.0312, 7.3974, 8.0558**.

A 20% lighter version of the original color is **48.3247, 28.3700, 75.6020**, and **9.5767, 4.5592, 17.5148** is the 20% darker color. If you saturate the color by 10%, you get **22.9835, 10.9993, 39.4400**, and if you desaturate by 10%, it is **23.6842, 12.0922, 39.6140**.

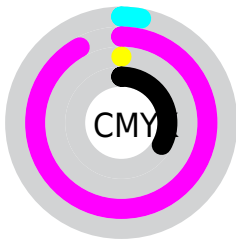
Distribution



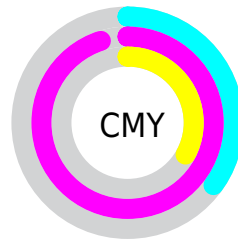
- Red (65%)
- Green (5%)
- Blue (67%)



- Red (65%)
- Yellow (5%)
- Blue (67%)



- Cyan (3%)
- Magenta (92%)
- Yellow (0%)
- Black (33%)





- Cyan (35%)
- Magenta (95%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2336, 11.3613, 39.4965 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 23.2336, 11.3613, 39.4965 by changing the saturation by 10% instead.


 23.2336, 11.3613,
39.4965


 23.2336, 11.3613,
39.4965


261.4355,
200.1298, 359.4856


 14.8877, 6.3104,
26.8354


 48.2405, 28.3264,
75.6249


 8.8264, 3.0347,
17.2183


 65.6322, 41.0093,
99.9292


 4.6843, 1.1499,
10.2267


 86.7698, 57.0051,
128.9517

 2.0961, 0.0202,
5.4419

 112.0189, 76.6980,
163.1109

 0.6871, 0.0000,
2.4456

 141.7446,
100.4726, 202.8254

 0.0000, 0.0000,
0.8111

 176.3124,

 0.0000, 0.0000,

128.7131, 248.5136

0.0000

216.0876,
161.8041, 300.5942

■ 23.2336, 11.3613,
39.4965

■ 23.2336, 11.3613,
39.4965

■ 22.9835, 10.9993,
39.4400

■ 23.6842, 12.0922,
39.6140

■ 24.3718, 13.2969,
39.8103

■ 25.3298, 15.0416,
40.0965

■ 26.5859, 17.3818,
40.4820

■ 28.1643, 20.3658,
40.9748

■ 30.0868, 24.0374,
41.5822

■ 32.3733, 28.4363,
42.3107

■ 35.0421, 33.5991,
43.1666

■ 38.1104, 39.5601,
44.1555

Harmonies

Analogous

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



16.7462, 11.3613, 68.9370



23.2336, 11.3613, 39.4965



26.3618, 11.3613, 14.1366

Triad

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



23.2336, 11.3613, 39.4965



11.3988, 11.3613, 0.0000



3.5603, 11.3613, 33.4899

Complementary

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



23.2336, 11.3613, 39.4965



14.9111, 29.2963, 5.2847

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.



3.0139, 11.3613, 10.7581



23.2336, 11.3613, 39.4965



6.4580, 11.3613, 0.0000

Square

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



23.2336, 11.3613, 39.4965



18.1516, 11.3613, 0.0000



3.8491, 11.3613, 1.8157



5.7600, 11.3613, 63.7659

Rectangle

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



23.2336, 11.3613, 39.4965



25.5094, 11.3613, 5.1456



3.8491, 11.3613, 1.8157



3.2215, 11.3613, 24.3660

Sweetspot

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



23.2341, 11.3618, 39.4967



55.1656, 45.5103, 74.8787



7.7690, 3.5078, 38.7959



11.9417, 9.4574, 16.5837



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.



23.2341, 11.3618, 39.4967



41.1261, 19.6805, 70.6330



19.1442, 9.8493, 12.3829



8.3115, 8.1349, 10.0848



17.3349, 8.2963, 29.7322



0.4899, 0.2347, 0.8275

Inverse Universe

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



17.0695, 9.0194, 1.4578



30.1170, 15.5214, 1.6115



16.4758, 29.9120, 13.9807



8.0152, 8.0193, 8.3908



12.6869, 6.5373, 0.7307



0.3562, 0.1832, 0.0376

Previews

White Background



This preview shows how the XYZ color 23.2336, 11.3613, 39.4965 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 23.2336, 11.3613, 39.4965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

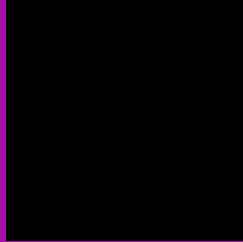
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2336, 11.3613, 39.4965

Background



This preview shows how black text looks on a background with the XYZ color 23.2336, 11.3613, 39.4965.



This preview shows how white text looks on a background with the XYZ color 23.2336, 11.3613,

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

23.2336, 11.3613, 39.4965

Protanopia

13.9924, 11.8599, 54.3750

Deuteranopia

12.1759, 11.8795, 35.3694



Tritanopia

16.7544, 11.5707, 7.4812

Trichromacy



Original Color

23.2336, 11.3613, 39.4965



Protanomaly

12.7740, 8.2583, 48.4977



Deuteranomaly

13.4148, 9.1106, 36.6488



Tritanomaly

18.0618, 10.5675, 15.2751

Monochromacy



Original Color

23.2336, 11.3613, 39.4965



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

10.4951, 7.0372, 15.8441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2336, 11.3613, 39.4965 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, 14, 171)` looks like.

```
.text, #text, p{  
    color:rgb(166, 14, 171)  
}
```

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, 14, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 14, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.2336, 11.3613, 39.4965 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, 14, 171) }
```


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

```
.border{ border-color:rgb(166, 14, 171) }
```

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

Here you see how a box with a 4 pixel rgb(166, 14, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 14, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 14, 171);  
box-shadow:4px 4px 4px 4px rgb(166, 14,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2336, 11.3613, 39.4965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 14, 171) }
```

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

```
.background{ background-color: rgb(166, 14,  
171) }
```

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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