

Converting Colors

XYZ(23.3799, 11.1481, 41.9679)

Have a look what the booklet for
XYZ(23.3799, 11.1481, 41.9679)
contains.

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Color

**XYZ(23.3535, 11.1339,
41.9925)**

Conversions

Conversions Part 1

Format	Color
Hex	A500B0
RGB	165, 0, 176
RGB Percent	65%, 0%, 69%
CMY	0.3529, 0.9999, 0.3098
CMYK	0.06, 1.00, 0.00, 0.31
HSL	296°, 100%, 35%
HSV	296°, 100%, 69%
XYZ	23.3535, 11.1339, 41.9925
YIQ	69.3990, 41.8440, 89.7160

Conversions

Conversions Part 2

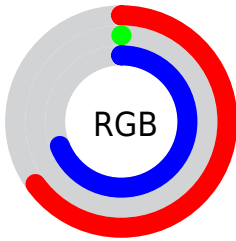
Format	Color
R_{YB}	165, 0, 176
Decimal	10813616
CIE _{Lab}	39.81, 72.63, -49.36
CIE _{LCh}	40, 87.815, 325.796
Yxy	11.1339, 0.3054, 0.1456
Android (android.graphics.Color)	4289003696 (0xFFA500B0)
YUV	69.3990, 52.5543, 83.8421
Hunter-Lab	33.3675, 66.5368, -51.2583

Details

The XYZ color **23.3535, 11.1339, 41.9925** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.6637, 31.1221, 5.1820**, and the grayscale version is **5.6352, 5.9286, 6.4563**.

A 20% lighter version of the original color is **48.3992, 27.8600, 79.1705**, and **9.6972, 4.5933, 18.7878** is the 20% darker color. If you saturate the color by 10%, you get **23.3536, 11.1340, 41.9927**, and if you desaturate by 10%, it is **23.7937, 11.6728, 42.0735**.

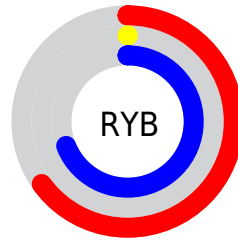
Distribution



Red (65%)

Green (0%)

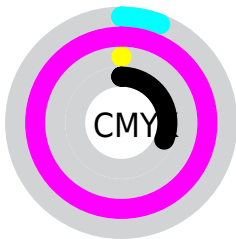
Blue (69%)



Red (65%)

Yellow (0%)

Blue (69%)

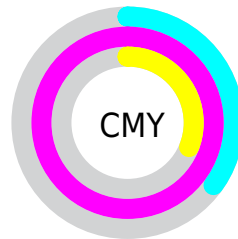


Cyan (6%)

Magenta (100%)

Yellow (0%)

Black (31%)



Cyan (35%)


Magenta (100%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3535, 11.1339, 41.9925 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 23.3535, 11.1339, 41.9925 by changing the saturation by 10% instead.


 23.3535, 11.1339,
41.9925


 23.3535, 11.1339,
41.9925


262.0370,
198.5839, 370.2506


 14.9769, 6.1570,
28.7699


 48.4355, 27.9075,
79.4582

 8.8894, 2.9408,
18.6627


 65.8716, 40.4730,
104.5385

 4.7256, 1.1009,
11.2525


 87.0583, 56.3367,
134.4083

 2.1203, 0.0000,
6.1206

 112.3608, 75.8832,
169.4863

 0.7002, 0.0000,
2.8486

 142.1446, 99.4968,
210.1910

 0.0000, 0.0000,
1.0179

 176.7750,

 0.0000, 0.0000,

127.5618, 256.9409

0.0000

216.6174,
160.4627, 310.1546

■ 23.3535, 11.1339,
41.9925

■ 23.3535, 11.1339,
41.9925

■ 23.3536, 11.1340,
41.9927

■ 23.7937, 11.6728,
42.0735

■ 24.4228, 12.5868,
42.2167

■ 25.3139, 14.0219,
42.4468

■ 26.5011, 16.0465,
42.7750

■ 28.0136, 18.7185,
43.2110

■ 29.8768, 22.0891,
43.7634

■ 32.1138, 26.2042,
44.4398

■ 34.7455, 31.1058,
45.2472

■ 37.7914, 36.8328,
46.1921

Harmonies

Analogous

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



16.4699, 11.1339, 73.2931



23.3535, 11.1339, 41.9925



26.8607, 11.1339, 14.7225

Triad

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



23.3535, 11.1339, 41.9925



11.4550, 11.1339, 0.0000



3.2015, 11.1339, 33.0645

Complementary

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



23.3535, 11.1339, 41.9925



15.6637, 31.1221, 5.1820

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.



2.7212, 11.1339, 9.8489



23.3535, 11.1339, 41.9925



6.2976, 11.1339, 0.0000

Square

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



23.3535, 11.1339, 41.9925



18.5262, 11.1339, 0.0000



3.5998, 11.1339, 1.3997



5.3128, 11.1339, 65.5111

Rectangle

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



23.3535, 11.1339, 41.9925



26.1114, 11.1339, 5.1461



3.5998, 11.1339, 1.3997



2.8890, 11.1339, 23.5896

Sweetspot

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



23.3540, 11.1344, 41.9927



58.0093, 47.0919, 80.5275



7.9651, 3.3916, 41.3093



12.1952, 9.5110, 17.3374



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.3540, 11.1344, 41.9927



42.2830, 20.1559, 76.1572



20.1924, 10.1455, 12.8847



8.7966, 8.6192, 10.7064



17.1534, 8.1787, 30.8116



0.5554, 0.2654, 0.9702

Inverse Universe

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



17.9652, 9.2547, 1.1565



32.5545, 16.7730, 1.9495



16.8397, 31.5765, 12.0951



8.5172, 8.5136, 8.9559



13.1893, 6.7933, 0.8907



0.4221, 0.2166, 0.0653

Previews

White Background



This preview shows how the XYZ color 23.3535, 11.1339, 41.9925 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 23.3535, 11.1339, 41.9925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

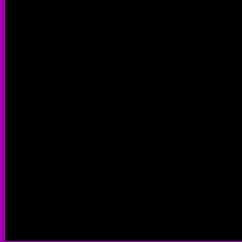
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3535, 11.1339, 41.9925

Background



This preview shows how black text looks on a background with the XYZ color 23.3535, 11.1339, 41.9925.



This preview shows how white text looks on a background with the XYZ color 23.3535, 11.1339,

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

23.3535, 11.1339, 41.9925

Protanopia

13.8782, 11.8142, 53.7735

Deuteranopia

12.0625, 11.7796, 37.2352



Tritanopia

16.5010, 11.5230, 7.8330

Trichromacy



Original Color

23.3535, 11.1339, 41.9925



Protanomaly

12.6128, 7.7627, 48.9777



Deuteranomaly

12.8145, 8.3361, 38.4697



Tritanomaly

17.6746, 10.1172, 16.0602

Monochromacy



Original Color

23.3535, 11.1339, 41.9925



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.3164, 5.8271, 14.8211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3535, 11.1339, 41.9925 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(165, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(165, 0, 176)  
}
```

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(165, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 23.3535, 11.1339, 41.9925 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(165, 0, 176) }
```


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

```
.border{ border-color:rgb(165, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(165, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(165, 0,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3535, 11.1339, 41.9925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 0, 176) }
```

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

```
.background{ background-color: rgb(165, 0,  
176) }
```

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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