

Converting Colors

XYZ(23.2352, 11.2304, 34.8721)

Have a look what the booklet for
XYZ(23.2352, 11.2304, 34.8721)
contains.

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Color

**XYZ(23.2276, 11.2311,
34.6618)**

Conversions

Conversions Part 1

Format	Color
Hex	AB00A1
RGB	171, 0, 161
RGB Percent	67%, 0%, 63%
CMY	0.3294, 0.9999, 0.3686
CMYK	0.00, 1.00, 0.06, 0.33
HSL	304°, 100%, 34%
HSV	304°, 100%, 67%
XYZ	23.2276, 11.2311, 34.6618
YIQ	69.4830, 50.2350, 86.3230

Conversions

Conversions Part 2

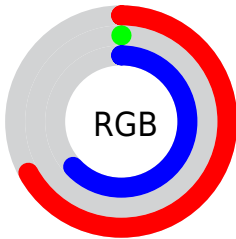
Format	Color
RYB	171, 0, 161
Decimal	11206817
CIELab	39.97, 71.37, -40.07
CIELCh	40, 81.843, 330.689
Yxy	11.2311, 0.3360, 0.1625
Android (android.graphics.Color)	4289396897 (0xFFAB00A1)
YUV	69.4830, 45.1179, 89.0304
Hunter-Lab	33.5128, 65.0701, -37.8637

Details

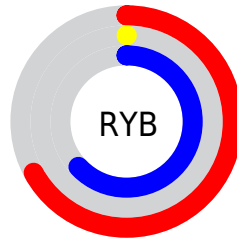
The XYZ color **23.2276, 11.2311, 34.6618** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.6182, 29.1483, 5.1434**, and the grayscale version is **5.6600, 5.9547, 6.4847**.

A 20% lighter version of the original color is **48.1981, 28.1215, 67.8534**, and **9.6997, 4.6815, 14.8604** is the 20% darker color. If you saturate the color by 10%, you get **23.2278, 11.2312, 34.6615**, and if you desaturate by 10%, it is **23.5187, 11.6713, 35.1958**.

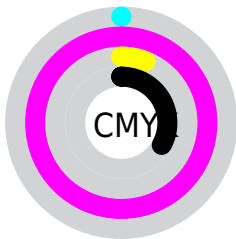
Distribution



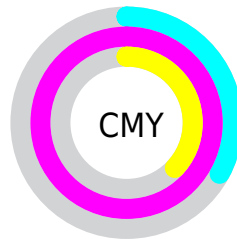
- Red (67%)
- Green (0%)
- Blue (63%)



- Red (67%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2276, 11.2311, 34.6618 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 23.2276, 11.2311, 34.6618 by changing the saturation by 10% instead.


 23.2276, 11.2311,
34.6618


 23.2276, 11.2311,
34.6618

261.4054,
199.2462, 337.9318


 14.8833, 6.2225,
23.1210


 48.2307, 28.0867,
68.1071

 8.8233, 2.9808,
14.4767


 65.6202, 40.7025,
90.8487

 4.6823, 1.1217,
8.3105


 86.7554, 56.6229,
118.1610

 2.0949, 0.0000,
4.2036

 112.0017, 76.2321,
150.4626

 0.6864, 0.0000,
1.7377

 141.7246, 99.9147,
188.1719

 0.0000, 0.0000,
0.3864

 176.2892,

 0.0000, 0.0000,

128.0550, 231.7075

0.0000

216.0610,
161.0374, 281.4879

■ 23.2276, 11.2311,
34.6618

■ 23.2276, 11.2311,
34.6618

■ 23.2278, 11.2312,
34.6615

■ 23.5187, 11.6713,
35.1958

■ 23.9840, 12.4590,
35.7914

■ 24.6935, 13.7339,
36.4718

■ 25.6789, 15.5597,
37.2477

■ 26.9673, 17.9902,
38.1281

■ 28.5824, 21.0729,
39.1209

■ 30.5455, 24.8506,
40.2332

■ 32.8763, 29.3625,
41.4717

■ 35.5929, 34.6448,
42.8423

Harmonies

Analogous

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



17.2355, 11.2311, 63.2485



23.2276, 11.2311, 34.6618



25.6410, 11.2311, 11.8584

Triad

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



23.2276, 11.2311, 34.6618



10.5447, 11.2311, 0.0000



3.7925, 11.2311, 35.9760

Complementary

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



23.2276, 11.2311, 34.6618



14.6182, 29.1483, 5.1434

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.



3.0796, 11.2311, 12.6067



23.2276, 11.2311, 34.6618



6.0344, 11.2311, 0.0000

Square

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



23.2276, 11.2311, 34.6618



16.9260, 11.2311, 0.0000



3.7273, 11.2311, 2.4455



6.1905, 11.2311, 64.3741

Rectangle

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



23.2276, 11.2311, 34.6618



24.4061, 11.2311, 4.2008



3.7273, 11.2311, 2.4455



3.3954, 11.2311, 26.8449

Sweetspot

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



23.2280, 11.2316, 34.6620



54.4981, 44.1066, 71.9414



7.4582, 2.9960, 38.7138



11.8182, 9.1901, 15.8565



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.



23.2280, 11.2316, 34.6620



41.5713, 20.1031, 61.9292



18.1331, 9.1937, 7.8327



8.3165, 8.1399, 9.9777



17.5169, 8.4693, 26.1652



0.4933, 0.2380, 0.7593

Inverse Universe

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



23.2280, 11.2316, 34.6620



41.5713, 20.1031, 61.9292



16.5863, 29.9355, 15.5074



8.3165, 8.1399, 9.9777



17.5169, 8.4693, 26.1652



0.4933, 0.2380, 0.7593

Previews

White Background



This preview shows how the XYZ color 23.2276, 11.2311, 34.6618 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

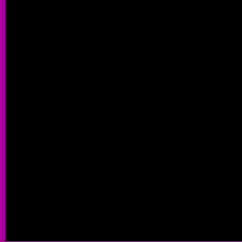
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2276, 11.2311, 34.6618

Background



This preview shows how black text looks on a background with the XYZ color 23.2276, 11.2311, 34.6618.



This preview shows how white text looks on a background with the XYZ color 23.2276, 11.2311,

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

23.2276, 11.2311, 34.6618

Protanopia

14.1074, 11.9059, 54.9806

Deuteranopia

12.2445, 12.0127, 30.9515



Tritanopia

17.6909, 11.6416, 6.6248

Trichromacy



Original Color

23.2276, 11.2311, 34.6618



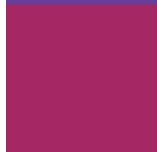
Protanomaly

12.3075, 7.6548, 46.7278



Deuteranomaly

13.4647, 8.8151, 32.0022



Tritanomaly

18.6248, 10.4565, 13.3486

Monochromacy



Original Color

23.2276, 11.2311, 34.6618



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.2428, 5.8248, 13.2075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2276, 11.2311, 34.6618 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(171, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 161)  
}
```

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(171, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 161) }
```

Border

The CSS property to change the border of an element to XYZ 23.2276, 11.2311, 34.6618 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(171, 0, 161) }
```


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

```
.border{ border-color:rgb(171, 0, 161) }
```

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

Here you see how a box with a 4 pixel rgb(171, 0, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2276, 11.2311, 34.6618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 161) }
```

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

```
.background{ background-color: rgb(171, 0,  
161) }
```

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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