

Converting Colors

XYZ(23.1147, 12.2780, 49.2550)

Have a look what the booklet for
XYZ(23.1147, 12.2780, 49.2550)
contains.

XYZ(23.1112, 12.3035, 49.3008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.1112, 12.3035,
49.3008)**

Conversions

Conversions Part 1

Format	Color
Hex	982EBD
RGB	152, 46, 189
RGB Percent	60%, 18%, 74%
CMY	0.4039, 0.8196, 0.2588
CMYK	0.20, 0.76, 0.00, 0.26
HSL	284°, 61%, 46%
HSV	284°, 76%, 74%
XYZ	23.1112, 12.3035, 49.3008
YIQ	93.9960, 17.2730, 66.9450

Conversions

Conversions Part 2

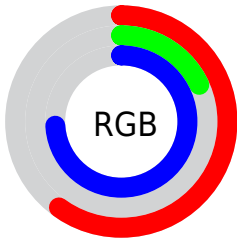
Format	Color
R _Y B	152, 46, 189
Decimal	9973437
CIE Lab	41.69, 63.40, -54.10
CIE LCh	42, 83.345, 319.521
Yxy	12.3035, 0.2728, 0.1452
Android (android.graphics.Color)	4288163517 (0xFF982EBD)
YUV	93.9960, 46.8370, 50.8695
Hunter-Lab	35.0763, 56.2270, -58.7803

Details

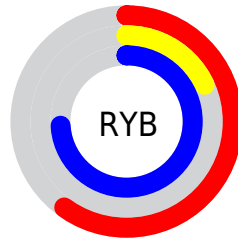
The XYZ color **23.1112, 12.3035, 49.3008** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **22.2583, 38.4317, 8.8300**, and the grayscale version is **10.5290, 11.0774, 12.0632**.

A 20% lighter version of the original color is **48.0631, 30.0560, 90.4570**, and **9.1970, 4.2361, 23.2546** is the 20% darker color. If you saturate the color by 10%, you get **21.6324, 10.6762, 49.0648**, and if you desaturate by 10%, it is **24.9537, 14.6009, 49.6473**.

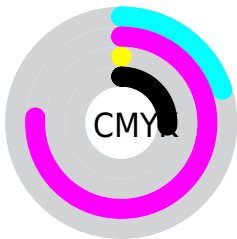
Distribution



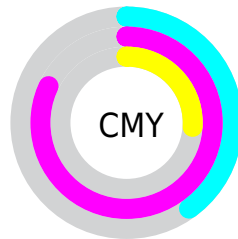
- Red (60%)
- Green (18%)
- Blue (74%)



- Red (60%)
- Yellow (18%)
- Blue (74%)



- Cyan (20%)
- Magenta (76%)
- Yellow (0%)
- Black (26%)





- Cyan (40%)
- Magenta (82%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1112, 12.3035, 49.3008 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 23.1112, 12.3035, 49.3008 by changing the saturation by 10% instead.


 23.1112, 12.3035,
49.3008

 23.1112, 12.3035,
49.3008


260.8203,
206.4043, 400.5818


 14.7968, 6.9507,
34.4909


 48.0412, 30.0467,
90.5237


 8.7623, 3.4313,
22.9905


 65.3874, 43.2059,
117.7737


 4.6423, 1.3608,
14.3813


 86.4750, 59.7360,
150.0074

 2.0715, 0.1876,
8.2446

 111.6693, 80.0214,
187.6435

 0.6737, 0.0000,
4.1618

 141.3356,
104.4466, 231.1004

 0.0000, 0.0000,
1.7145

 175.8393,

 0.0000, 0.0000,

133.3959, 280.7968

0.3707

215.5458,
167.2536, 337.1510

■ 0.0000, 0.0000,
0.0000

■ 23.1112, 12.3035,
49.3008

■ 23.1112, 12.3035,
49.3008

■ 21.6324, 10.6762,
49.0648

■ 24.9537, 14.6009,
49.6473

■ 20.4678, 9.6227,
48.9229

■ 27.1965, 17.6429,
50.1163

■ 20.0173, 9.2582,
48.8763

■ 29.8734, 21.4956,
50.7189

■ 33.0137, 26.2172,
51.4647

■ 36.6442, 31.8607,
52.3627

■ 40.7895, 38.4746,
53.4208

■ 45.4725, 46.1041,
54.6466

■ 50.7146, 54.7914,
56.0472

■ 56.5360, 64.5764,
57.6290

Harmonies

Analogous

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



16.0795, 12.3035, 76.7941



23.1112, 12.3035, 49.3008



27.4844, 12.3035, 20.5011

Triad

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



23.1112, 12.3035, 49.3008



13.9654, 12.3035, 0.0000



3.7443, 12.3035, 28.0929

Complementary

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



23.1112, 12.3035, 49.3008



22.2583, 38.4317, 8.8300

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.



3.5242, 12.3035, 8.1582



23.1112, 12.3035, 49.3008



8.1888, 12.3035, 0.0000

Square

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



23.1112, 12.3035, 49.3008



21.1078, 12.3035, 0.5936



4.8369, 12.3035, 1.2710



5.6016, 12.3035, 58.8014

Rectangle

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



23.1112, 12.3035, 49.3008



27.5447, 12.3035, 8.5627



4.8369, 12.3035, 1.2710



3.5089, 12.3035, 19.7741

Sweetspot

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



23.1118, 12.3040, 49.3011



67.2480, 59.6205, 94.1898



13.4931, 10.6168, 49.4824



13.9167, 11.9617, 20.1179



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.1118, 12.3040, 49.3011



37.2717, 17.7407, 87.6861



27.9333, 15.1610, 32.7445



9.6825, 9.5687, 12.0088



13.5424, 6.2674, 32.8889



0.5882, 0.2753, 1.2910

Inverse Universe

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



23.5249, 13.3977, 9.5300



39.3098, 20.5259, 9.4156



20.7493, 37.5462, 13.6213



9.6288, 9.5758, 10.4341



14.5188, 7.4387, 2.7598



0.5965, 0.3025, 0.2543

Previews

White Background



This preview shows how the XYZ color 23.1112, 12.3035, 49.3008 looks on a white background.

Color Contrast Check

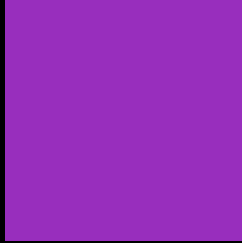
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1112, 12.3035, 49.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

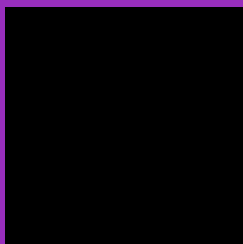
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.1112, 12.3035, 49.3008

Background



This preview shows how black text looks on a background with the XYZ color 23.1112, 12.3035, 49.3008.



This preview shows how white text looks on a background with the XYZ color 23.1112, 12.3035,

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

23.1112, 12.3035, 49.3008

Protanopia

14.8435, 12.6300, 57.5326

Deuteranopia

12.7904, 12.5620, 44.3984



Tritanopia

15.2130, 12.2261, 11.0093

Trichromacy



Original Color

23.1112, 12.3035, 49.3008

Protanomaly

14.3780, 10.2922, 54.0521

Deuteranomaly

13.0652, 10.1160, 46.0637

Tritanomaly

17.0472, 11.6118, 20.7448

Monochromacy



Original Color

23.1112, 12.3035, 49.3008

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

13.6866, 10.5376, 22.0815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1112, 12.3035, 49.3008 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(152, 46, 189)` looks like.

```
.text, #text, p{  
    color:rgb(152, 46, 189)  
}
```

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(152, 46, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 46, 189) }
```

Border

The CSS property to change the border of an element to XYZ 23.1112, 12.3035, 49.3008 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(152, 46, 189) }
```


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

```
.border{ border-color:rgb(152, 46, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 46, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 46, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 46, 189);  
box-shadow:4px 4px 4px 4px rgb(152, 46,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1112, 12.3035, 49.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 46, 189) }
```

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

```
.background{ background-color: rgb(152, 46,  
189) }
```

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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