

Converting Colors

XYZ(24.1096, 12.5352, 35.5463)

Have a look what the booklet for
XYZ(24.1096, 12.5352, 35.5463)
contains.

XYZ(24.1069, 12.5233, 35.3291)	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(24.1069, 12.5233,
35.3291)**

Conversions

Conversions Part 1

Format	Color
Hex	AC22A2
RGB	172, 34, 162
RGB Percent	67%, 13%, 64%
CMY	0.3255, 0.8666, 0.3647
CMYK	0.00, 0.80, 0.06, 0.33
HSL	304°, 67%, 40%
HSV	304°, 80%, 67%
XYZ	24.1069, 12.5233, 35.3291
YIQ	89.8540, 41.1600, 69.0640

Conversions

Conversions Part 2

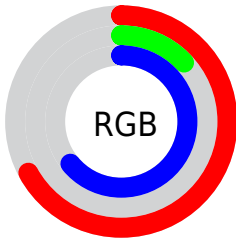
Format	Color
R_{YB}	172, 34, 162
Decimal	11281058
CIE _{Lab}	42.04, 66.34, -37.37
CIE _{LCh}	42, 76.144, 330.608
Yxy	12.5233, 0.3350, 0.1740
Android (android.graphics.Color)	4289471138 (0xFFAC22A2)
YUV	89.8540, 35.5680, 72.0420
Hunter-Lab	35.3883, 59.6668, -34.4191

Details

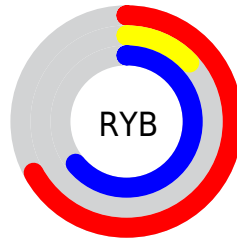
The XYZ color **24.1069, 12.5233, 35.3291** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.8674, 30.0276, 7.3433**, and the grayscale version is **9.6029, 10.1030, 11.0022**.

A 20% lighter version of the original color is **49.7541, 30.5481, 68.9197**, and **9.8847, 4.7706, 15.1517** is the 20% darker color. If you saturate the color by 10%, you get **23.6223, 11.7303, 34.6236**, and if you desaturate by 10%, it is **24.8394, 13.8098, 36.1228**.

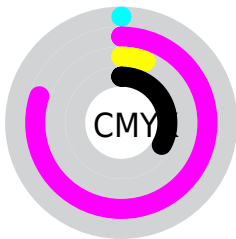
Distribution



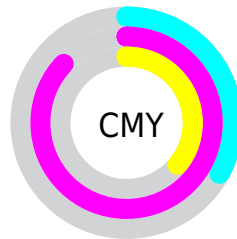
- Red (67%)
- Green (13%)
- Blue (64%)



- Red (67%)
- Yellow (13%)
- Blue (64%)



- Cyan (0%)
- Magenta (80%)
- Yellow (6%)
- Black (33%)





- Cyan (33%)
- Magenta (87%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1069, 12.5233, 35.3291 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 24.1069, 12.5233, 35.3291 by changing the saturation by 10% instead.


 24.1069, 12.5233,
35.3291


 24.1069, 12.5233,
35.3291


265.7909,
207.8395, 340.9669


 15.5381, 7.1011,
23.6309

 49.6580, 30.4447,
69.1526


 9.2867, 3.5254,
14.8504


 67.3710, 43.7127,
92.1151


 4.9872, 1.4118,
8.5690


 88.8628, 60.3647,
119.6693

 2.2745, 0.2254,
4.3682

 114.4987, 80.7852,
152.2339

 0.7815, 0.0000,
1.8294

 144.6442,
105.3585, 190.2274

 0.0000, 0.0000,
0.4473

 179.6644,

 0.0000, 0.0000,

134.4691, 234.0684

0.0000

219.9249,
168.5013, 284.1754

■ 24.1069, 12.5233,
35.3291

■ 24.1069, 12.5233,
35.3291

■ 23.6223, 11.7303,
34.6236

■ 24.8394, 13.8098,
36.1228

■ 23.3181, 11.2926,
33.9959

■ 25.8509, 15.6527,
37.0148

■ 27.1692, 18.1075,
38.0146

■ 28.8185, 21.2226,
39.1302

■ 30.8205, 25.0414,
40.3688

■ 33.1953, 29.6039,
41.7372

■ 35.9612, 34.9467,
43.2414

■ 39.1353, 41.1043,
44.8873

■ 42.7339, 48.1091,
46.6802

Harmonies

Analogous

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



18.3393, 12.5233, 61.8052



24.1069, 12.5233, 35.3291



26.4155, 12.5233, 13.3080

Triad

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



24.1069, 12.5233, 35.3291



11.7880, 12.5233, 0.0000



4.7849, 12.5233, 36.4197

Complementary

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



24.1069, 12.5233, 35.3291



15.8674, 30.0276, 7.3433

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.



4.0068, 12.5233, 13.9688



24.1069, 12.5233, 35.3291



7.1822, 12.5233, 0.4853

Square

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



24.1069, 12.5233, 35.3291



18.0740, 12.5233, 0.4288



4.7223, 12.5233, 3.3536



7.3258, 12.5233, 62.7145

Rectangle

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



24.1069, 12.5233, 35.3291



25.2507, 12.5233, 5.3518



4.7223, 12.5233, 3.3536



4.3525, 12.5233, 27.7890

Sweetspot

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



24.1074, 12.5239, 35.3293



58.3257, 50.0588, 74.6439



9.0237, 4.6411, 39.4506



12.3574, 10.2682, 16.0374



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.



24.1074, 12.5239, 35.3293



42.4444, 20.6991, 61.9421



19.5974, 10.7199, 11.5800



8.3117, 8.1379, 9.9519



17.3609, 8.4069, 25.3436



0.4902, 0.2368, 0.7434

Inverse Universe

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



24.1074, 12.5239, 35.3293



42.4444, 20.6991, 61.9421



18.3487, 31.0201, 20.4092



8.3117, 8.1379, 9.9519



17.3609, 8.4069, 25.3436



0.4902, 0.2368, 0.7434

Previews

White Background



This preview shows how the XYZ color 24.1069, 12.5233, 35.3291 looks on a white background.

Color Contrast Check

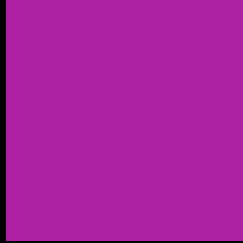
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1069, 12.5233, 35.3291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

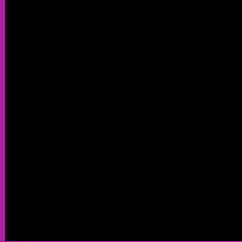
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 24.1069, 12.5233, 35.3291

Background



This preview shows how black text looks on a background with the XYZ color 24.1069, 12.5233, 35.3291.



This preview shows how white text looks on a background with the XYZ color 24.1069, 12.5233,

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

24.1069, 12.5233, 35.3291

Protanopia

15.2941, 12.9572, 59.4525

Deuteranopia

13.2086, 12.9101, 31.9327



Tritanopia

18.4684, 12.5372, 7.9251

Trichromacy



Original Color

24.1069, 12.5233, 35.3291



Protanomaly

13.6840, 9.6284, 49.2814



Deuteranomaly

15.0156, 10.8842, 32.7619



Tritanomaly

19.7416, 11.9759, 14.9068

Monochromacy



Original Color

24.1069, 12.5233, 35.3291



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

13.0883, 9.6343, 17.6928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1069, 12.5233, 35.3291 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(172, 34, 162)` looks like.

```
.text, #text, p{  
    color:rgb(172, 34, 162)  
}
```

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(172, 34, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 34, 162) }
```

Border

The CSS property to change the border of an element to XYZ 24.1069, 12.5233, 35.3291 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(172, 34, 162) }
```


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

```
.border{ border-color:rgb(172, 34, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 34, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 34, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 34, 162);  
box-shadow:4px 4px 4px 4px rgb(172, 34,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1069, 12.5233, 35.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 34, 162) }
```

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

```
.background{ background-color: rgb(172, 34,  
162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor