

Converting Colors

XYZ(24.8949, 12.7172, 37.7018)

Have a look what the booklet for
XYZ(24.8949, 12.7172, 37.7018)
contains.

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Color

**XYZ(24.8949, 12.7172,
37.7018)**

Conversions

Conversions Part 1

Format	Color
Hex	AE1EA7
RGB	174, 30, 167
RGB Percent	68%, 12%, 65%
CMY	0.3176, 0.8823, 0.3451
CMYK	0.00, 0.83, 0.04, 0.32
HSL	303°, 71%, 40%
HSV	303°, 83%, 68%
XYZ	24.8949, 12.7172, 37.7018
YIQ	88.6740, 41.8470, 73.1350

Conversions

Conversions Part 2

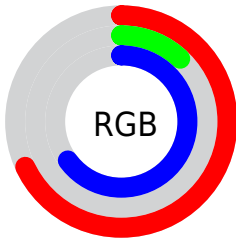
Format	Color
RYB	174, 30, 167
Decimal	11411111
CIELab	42.33, 68.47, -39.87
CIELCh	42, 79.230, 329.790
Yxy	12.7172, 0.3305, 0.1689
Android (android.graphics.Color)	4289601191 (0xFFAE1EA7)
YUV	88.6740, 38.6147, 74.8309
Hunter-Lab	35.6612, 62.2029, -37.7199

Details

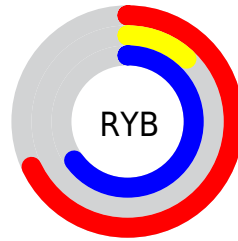
The XYZ color **24.8949, 12.7172, 37.7018** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.0060, 30.6823, 6.8297**, and the grayscale version is **9.3358, 9.8220, 10.6962**.

A 20% lighter version of the original color is **51.0158, 30.8358, 73.0751**, and **10.3734, 4.9968, 16.3373** is the 20% darker color. If you saturate the color by 10%, you get **24.4919, 12.0356, 37.1829**, and if you desaturate by 10%, it is **25.5423, 13.8861, 38.3048**.

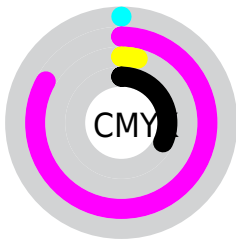
Distribution



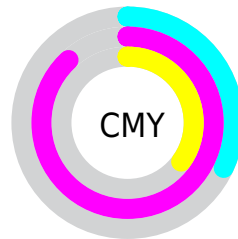
- Red (68%)
- Green (12%)
- Blue (65%)



- Red (68%)
- Yellow (12%)
- Blue (65%)



- Cyan (0%)
- Magenta (83%)
- Yellow (4%)
- Black (32%)





- Cyan (32%)
- Magenta (88%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8949, 12.7172, 37.7018 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 24.8949, 12.7172, 37.7018 by changing the saturation by 10% instead.


 24.8949, 12.7172,
37.7018


 24.8949, 12.7172,
37.7018


269.6714,
209.0972, 351.5988


 16.1271, 7.2341,
25.4513


 50.9308, 30.7948,
72.8492


 9.7055, 3.6089,
16.1915


 68.9296, 44.1580,
96.5832


 5.2649, 1.4573,
9.5040


 90.7361, 60.9168,
124.9820

 2.4399, 0.2584,
4.9701

 116.7156, 81.4555,
158.4643

 0.8650, 0.0000,
2.1713

 147.2336,
106.1585, 197.4486

 0.0000, 0.0000,
0.6577

 182.6553,

 0.0000, 0.0000,

135.4102, 242.3534

0.0000

223.3461,
169.5950, 293.5973

■ 24.8949, 12.7172,
37.7018

■ 24.8949, 12.7172,
37.7018

■ 24.4919, 12.0356,
37.1829

■ 25.5423, 13.8861,
38.3048

■ 24.2968, 11.7352,
36.8408

■ 26.4677, 15.6105,
39.0030

■ 27.7010, 17.9497,
39.8063

■ 29.2677, 20.9551,
40.7233

■ 31.1908, 24.6725,
41.7616

■ 33.4913, 29.1437,
42.9283

■ 36.1884, 34.4074,
44.2297

■ 39.3001, 40.4996,
45.6719

■ 42.8434, 47.4539,
47.2605

Harmonies

Analogous

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



18.6993, 12.7172, 66.0873



24.8949, 12.7172, 37.7018



27.4923, 12.7172, 13.9671

Triad

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



24.8949, 12.7172, 37.7018



12.1292, 12.7172, 0.0000



4.6355, 12.7172, 37.2985

Complementary

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



24.8949, 12.7172, 37.7018



16.0060, 30.6823, 6.8297

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.



3.8833, 12.7172, 13.7274



24.8949, 12.7172, 37.7018



7.2528, 12.7172, 0.2957

Square

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



24.8949, 12.7172, 37.7018



18.7965, 12.7172, 0.3160



4.6576, 12.7172, 3.0454



7.2013, 12.7172, 65.7481

Rectangle

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



24.8949, 12.7172, 37.7018



26.3417, 12.7172, 5.4596



4.6576, 12.7172, 3.0454



4.2085, 12.7172, 28.1444

Sweetspot

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



24.8954, 12.7178, 37.7020



59.5579, 50.5442, 77.2742



8.7912, 4.3390, 40.4192



12.9148, 10.6069, 17.0120



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.



24.8954, 12.7178, 37.7020



44.0855, 21.3313, 66.7773



20.0875, 10.7947, 12.3843



8.3200, 8.1413, 9.9959



17.6288, 8.5141, 26.7546



0.4954, 0.2389, 0.7707

Inverse Universe

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



24.8954, 12.7178, 37.7020



44.0855, 21.3313, 66.7773



18.3155, 31.6061, 18.9913



8.3200, 8.1413, 9.9959



17.6288, 8.5141, 26.7546



0.4954, 0.2389, 0.7707

Previews

White Background



This preview shows how the XYZ color 24.8949, 12.7172, 37.7018 looks on a white background.

Color Contrast Check

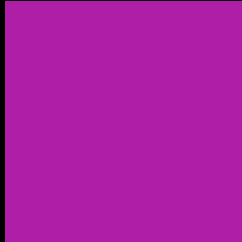
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8949, 12.7172, 37.7018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

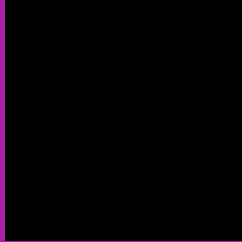
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8949, 12.7172, 37.7018

Background



This preview shows how black text looks on a background with the XYZ color 24.8949, 12.7172, 37.7018.



This preview shows how white text looks on a background with the XYZ color 24.8949, 12.7172,

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

24.8949, 12.7172, 37.7018

Protanopia

15.5372, 13.0544, 60.7323

Deuteranopia

13.4238, 13.1156, 34.1718



Tritanopia

18.7700, 12.7808, 8.1343

Trichromacy



Original Color

24.8949, 12.7172, 37.7018



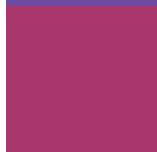
Protanomaly

13.9469, 9.6276, 50.9924



Deuteranomaly

15.1334, 10.7935, 35.0039



Tritanomaly

20.2214, 12.1399, 15.4648

Monochromacy



Original Color

24.8949, 12.7172, 37.7018



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

13.0237, 9.4117, 17.9598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8949, 12.7172, 37.7018 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(174, 30, 167)` looks like.

```
.text, #text, p{  
    color:rgb(174, 30, 167)  
}
```

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(174, 30, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 30, 167) }
```

Border

The CSS property to change the border of an element to XYZ 24.8949, 12.7172, 37.7018 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(174, 30, 167) }
```


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

```
.border{ border-color:rgb(174, 30, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 30, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 30, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 30, 167);  
box-shadow:4px 4px 4px 4px rgb(174, 30,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8949, 12.7172, 37.7018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 30, 167) }
```

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

```
.background{ background-color: rgb(174, 30,  
167) }
```

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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