

Converting Colors

XYZ(24.7607, 12.6696, 37.4095)

Have a look what the booklet for
XYZ(24.7607, 12.6696, 37.4095)
contains.

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Color

**XYZ(24.8028, 12.6804,
37.2167)**

Conversions

Conversions Part 1

Format	Color
Hex	AE1EA6
RGB	174, 30, 166
RGB Percent	68%, 12%, 65%
CMY	0.3176, 0.8823, 0.3490
CMYK	0.00, 0.83, 0.05, 0.32
HSL	303°, 71%, 40%
HSV	303°, 83%, 68%
XYZ	24.8028, 12.6804, 37.2167
YIQ	88.5600, 42.1680, 72.8240

Conversions

Conversions Part 2

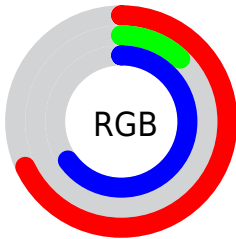
Format	Color
RYB	174, 30, 166
Decimal	11411110
CIELab	42.28, 68.32, -39.36
CIELCh	42, 78.844, 330.053
Yxy	12.6804, 0.3320, 0.1698
Android (android.graphics.Color)	4289601190 (0xFFAE1EA6)
YUV	88.5600, 38.1779, 74.9309
Hunter-Lab	35.6095, 62.0123, -37.0392

Details

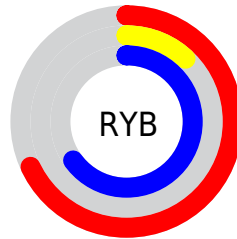
The XYZ color **24.8028, 12.6804, 37.2167** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.0220, 30.6887, 6.9136**, and the grayscale version is **9.3119, 9.7968, 10.6688**.

A 20% lighter version of the original color is **50.8813, 30.7820, 72.3670**, and **10.3168, 4.9742, 16.0391** is the 20% darker color. If you saturate the color by 10%, you get **24.3894, 11.9946, 36.6430**, and if you desaturate by 10%, it is **25.4608, 13.8535, 37.8754**.

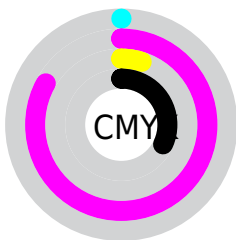
Distribution



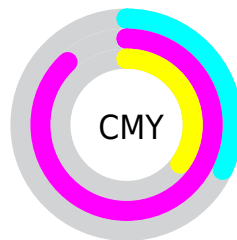
- Red (68%)
- Green (12%)
- Blue (65%)



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



- Cyan (0%)
- Magenta (83%)
- Yellow (5%)
- Black (32%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8028, 12.6804, 37.2167 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 24.8028, 12.6804, 37.2167 by changing the saturation by 10% instead.

 24.8028, 12.6804,
37.2167


 24.8028, 12.6804,
37.2167


269.2202,
208.8591, 349.4447


 16.0581, 7.2088,
25.0782


 50.7823, 30.7284,
72.0960

 9.6564, 3.5930,
15.9158


 68.7479, 44.0736,
95.6739


 5.2323, 1.4486,
9.3109


 90.5178, 60.8122,
123.9020

 2.4203, 0.2522,
4.8449

 116.4575, 81.3285,
157.1988

 0.8553, 0.0000,
2.0994

 146.9322,
106.0070, 195.9830

 0.0000, 0.0000,
0.6154

 182.3073,

 0.0000, 0.0000,

135.2320, 240.6730

0.0000

222.9482,
169.3879, 291.6874

■ 24.8028, 12.6804,
37.2167

■ 24.8028, 12.6804,
37.2167

■ 24.3894, 11.9946,
36.6430

■ 25.4608, 13.8535,
37.8754

■ 24.1868, 11.6912,
36.2616

■ 26.3969, 15.5822,
38.6300

■ 27.6411, 17.9259,
39.4905

■ 29.2188, 20.9357,
40.4656

■ 31.1532, 24.6576,
41.5629

■ 33.4650, 29.1335,
42.7893

■ 36.1736, 34.4018,
44.1513

■ 39.2971, 40.4987,
45.6549

■ 42.8522, 47.4577,
47.3058

Harmonies

Analogous

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



18.6761, 12.6804, 65.3722



24.8028, 12.6804, 37.2167



27.3358, 12.6804, 13.7765

Triad

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



24.8028, 12.6804, 37.2167



12.0418, 12.6804, 0.0000



4.6563, 12.6804, 37.3184

Complementary

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



24.8028, 12.6804, 37.2167



16.0220, 30.6887, 6.9136

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.



3.8930, 12.6804, 13.8371



24.8028, 12.6804, 37.2167



7.2154, 12.6804, 0.3250

Square

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



24.8028, 12.6804, 37.2167



18.6515, 12.6804, 0.3198



4.6507, 12.6804, 3.1076



7.2284, 12.6804, 65.4576

Rectangle

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



24.8028, 12.6804, 37.2167



26.1652, 12.6804, 5.3917



4.6507, 12.6804, 3.1076



4.2260, 12.6804, 28.2192

Sweetspot

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



24.8033, 12.6810, 37.2169



59.5045, 50.5228, 76.9927



8.8751, 4.3822, 40.4231



12.9014, 10.6015, 16.9411



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.



24.8033, 12.6810, 37.2169



43.8846, 21.2509, 65.7195



19.9771, 10.7505, 11.8023



8.3176, 8.1403, 9.9831



17.5499, 8.4825, 26.3391



0.4939, 0.2382, 0.7627

Inverse Universe

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



24.8033, 12.6810, 37.2169



43.8846, 21.2509, 65.7195



18.4433, 31.6573, 19.6643



8.3176, 8.1403, 9.9831



17.5499, 8.4825, 26.3391



0.4939, 0.2382, 0.7627

Previews

White Background



This preview shows how the XYZ color 24.8028, 12.6804, 37.2167 looks on a white background.

Color Contrast Check

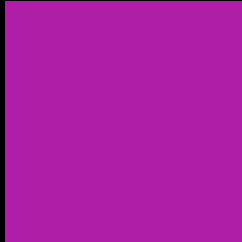
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8028, 12.6804, 37.2167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

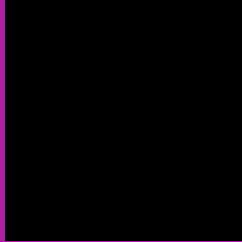
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8028, 12.6804, 37.2167

Background



This preview shows how black text looks on a background with the XYZ color 24.8028, 12.6804, 37.2167.



This preview shows how white text looks on a background with the XYZ color 24.8028, 12.6804,

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

24.8028, 12.6804, 37.2167

Protanopia

15.5372, 13.0544, 60.7323

Deuteranopia

13.4120, 13.1194, 33.7237



Tritanopia

18.7360, 12.7672, 7.9554

Trichromacy



Original Color

24.8028, 12.6804, 37.2167



Protanomaly

13.9469, 9.6276, 50.9924



Deuteranomaly

15.1679, 10.8214, 34.5470



Tritanomaly

20.1685, 12.1187, 15.1861

Monochromacy



Original Color

24.8028, 12.6804, 37.2167



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 24.8028, 12.6804, 37.2167 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(174, 30, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 30, 166) }
```

Border

The CSS property to change the border of an element to XYZ 24.8028, 12.6804, 37.2167 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, 166) }
```


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

```
.border{ border-color:rgb(174, 30, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 30, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 30, 166);  
box-shadow:4px 4px 4px 4px rgb(174, 30,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8028, 12.6804, 37.2167 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, 166) }
```

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

```
.background{ background-color: rgb(174, 30,  
166) }
```

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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