

Converting Colors

XYZ(24.2347, 11.6949, 37.2114)

Have a look what the booklet for
XYZ(24.2347, 11.6949, 37.2114)
contains.

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Color

**XYZ(24.1165, 11.6374,
37.0516)**

Conversions

Conversions Part 1

Format	Color
Hex	AD00A6
RGB	173, 0, 166
RGB Percent	68%, 0%, 65%
CMY	0.3216, 0.9999, 0.3490
CMYK	0.00, 1.00, 0.04, 0.32
HSL	302°, 100%, 34%
HSV	302°, 100%, 68%
XYZ	24.1165, 11.6374, 37.0516
YIQ	70.6510, 49.8220, 88.3020

Conversions

Conversions Part 2

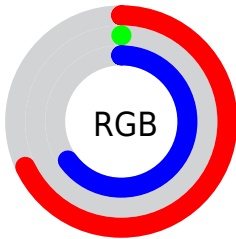
Format	Color
RYB	173, 0, 166
Decimal	11337894
CIELab	40.63, 72.43, -41.99
CIELCh	41, 83.718, 329.900
Yxy	11.6374, 0.3312, 0.1598
Android (android.graphics.Color)	4289527974 (0xFFAD00A6)
YUV	70.6510, 47.0071, 89.7601
Hunter-Lab	34.1136, 66.4910, -40.5167

Details

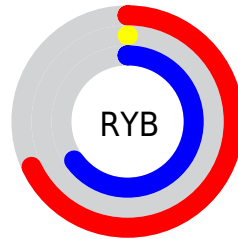
The XYZ color **24.1165, 11.6374, 37.0516** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.9825, 29.9030, 5.1838**, and the grayscale version is **5.8501, 6.1547, 6.7025**.

A 20% lighter version of the original color is **49.6339, 28.7704, 72.0445**, and **10.1831, 4.9053, 16.0329** is the 20% darker color. If you saturate the color by 10%, you get **24.1167, 11.6375, 37.0514**, and if you desaturate by 10%, it is **24.3866, 12.0742, 37.4595**.

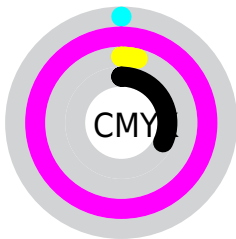
Distribution



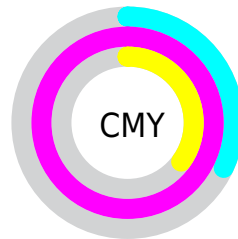
- Red (68%)
- Green (0%)
- Blue (65%)



- Red (68%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (32%)





- Cyan (32%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1165, 11.6374, 37.0516 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 24.1165, 11.6374, 37.0516 by changing the saturation by 10% instead.


 24.1165, 11.6374,
37.0516


 24.1165, 11.6374,
37.0516


265.8385,
201.9898, 348.7093

 15.5453, 6.4973,
24.9513


 49.6735, 28.8330,
71.8394


 9.2918, 3.1498,
15.8221


 67.3901, 41.6572,
95.3639


 4.9906, 1.2104,
9.2454


 88.8857, 57.8116,
123.5337

 2.2764, 0.0702,
4.8026

 114.5259, 77.6805,
156.7672

 0.7826, 0.0000,
2.0752

 144.6758,
101.6484, 195.4830

 0.0000, 0.0000,
0.6009

 179.7010,

 0.0000, 0.0000,

130.0997, 240.0995

0.0000

219.9668,
163.4187, 291.0355

■ 24.1165, 11.6374,
37.0516

■ 24.1165, 11.6374,
37.0516

■ 24.1167, 11.6375,
37.0514

■ 24.3866, 12.0742,
37.4595

■ 24.8358, 12.8690,
37.9287

■ 25.5355, 14.1641,
38.4831

■ 26.5182, 16.0248,
39.1336

■ 27.8118, 18.5067,
39.8895

■ 29.4408, 21.6587,
40.7589

■ 31.4271, 25.5249,
41.7492

■ 33.7909, 30.1455,
42.8670

■ 36.5508, 35.5578,
44.1186

Harmonies

Analogous

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



17.7588, 11.6374, 67.1268



24.1165, 11.6374, 37.0516



26.7899, 11.6374, 12.7282

Triad

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



24.1165, 11.6374, 37.0516



11.0809, 11.6374, 0.0000



3.8380, 11.6374, 36.8503

Complementary

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



24.1165, 11.6374, 37.0516



14.9825, 29.9030, 5.1838

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.



3.1376, 11.6374, 12.6143



24.1165, 11.6374, 37.0516



6.3027, 11.6374, 0.0000

Square

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



24.1165, 11.6374, 37.0516



17.8061, 11.6374, 0.0000



3.8478, 11.6374, 2.3468



6.2791, 11.6374, 66.9539

Rectangle

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



24.1165, 11.6374, 37.0516



25.5830, 11.6374, 4.5002



3.8478, 11.6374, 2.3468



3.4402, 11.6374, 27.3169

Sweetspot

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



24.1170, 11.6380, 37.0518



56.0765, 45.3089, 74.6694



7.6156, 3.0549, 39.7239



11.8579, 9.2060, 16.0657



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.



24.1170, 11.6380, 37.0518



43.1713, 20.8340, 66.2508



18.7096, 9.4750, 8.5772



8.3229, 8.1424, 10.0110



17.7224, 8.5515, 27.2471



0.4972, 0.2396, 0.7802

Inverse Universe

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



24.1170, 11.6380, 37.0518



43.1713, 20.8340, 66.2508



16.8879, 30.6652, 15.2176



8.3229, 8.1424, 10.0110



17.7224, 8.5515, 27.2471



0.4972, 0.2396, 0.7802

Previews

White Background



This preview shows how the XYZ color 24.1165, 11.6374, 37.0516 looks on a white background.

Color Contrast Check

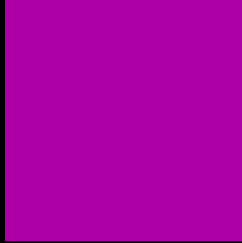
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1165, 11.6374, 37.0516 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 24.1165, 11.6374, 37.0516

Background



This preview shows how black text looks on a background with the XYZ color 24.1165, 11.6374, 37.0516.



This preview shows how white text looks on a background with the XYZ color 24.1165, 11.6374,

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

24.1165, 11.6374, 37.0516

Protanopia

14.6348, 12.4015, 56.8807

Deuteranopia

12.6152, 12.2939, 33.1606



Tritanopia

18.0687, 11.9968, 6.9935

Trichromacy



Original Color

24.1165, 11.6374, 37.0516



Protanomaly

12.7429, 7.9193, 48.4339



Deuteranomaly

13.8935, 8.9866, 34.2600



Tritanomaly

19.2280, 10.8008, 14.1680

Monochromacy



Original Color

24.1165, 11.6374, 37.0516



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7242, 6.1055, 14.3016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1165, 11.6374, 37.0516 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(173, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 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(173, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 24.1165, 11.6374, 37.0516 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(173, 0, 166) }
```


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

```
.border{ border-color:rgb(173, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1165, 11.6374, 37.0516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 166) }
```

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

```
.background{ background-color: rgb(173, 0,  
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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