

Converting Colors

XYZ(24.7608, 15.3345, 36.9456)

Have a look what the booklet for
XYZ(24.7608, 15.3345, 36.9456)
contains.

XYZ(24.6800, 15.2938, 36.7732)	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(24.6800, 15.2938,
36.7732)**

Conversions

Conversions Part 1

Format	Color
Hex	A647A4
RGB	166, 71, 164
RGB Percent	65%, 28%, 64%
CMY	0.3490, 0.7216, 0.3569
CMYK	0.00, 0.57, 0.01, 0.35
HSL	301°, 40%, 46%
HSV	301°, 57%, 65%
XYZ	24.6800, 15.2938, 36.7732
YIQ	110.0070, 26.7670, 49.0630

Conversions

Conversions Part 2

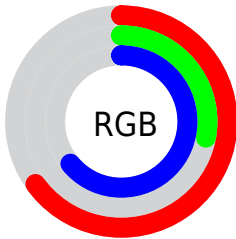
Format	Color
RYB	166, 71, 164
Decimal	10897316
CIELab	46.03, 51.60, -32.32
CIELCh	46, 60.887, 327.935
Yxy	15.2938, 0.3216, 0.1993
Android (android.graphics.Color)	4289087396 (0xFFA647A4)
YUV	110.0070, 26.6185, 49.1059
Hunter-Lab	39.1073, 44.2108, -28.3762

Details

The XYZ color **24.6800, 15.2938, 36.7732** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.4381, 29.0938, 11.0008**, and the grayscale version is **14.7443, 15.5122, 16.8928**.

A 20% lighter version of the original color is **50.4253, 35.2178, 71.1578**, and **9.5779, 4.7447, 15.7402** is the 20% darker color. If you saturate the color by 10%, you get **23.7336, 13.4510, 36.3023**, and if you desaturate by 10%, it is **25.9160, 17.7148, 37.3413**.

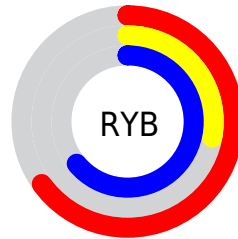
Distribution



Red (65%)

Green (28%)

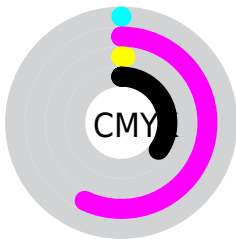
Blue (64%)



Red (65%)

Yellow (28%)

Blue (64%)

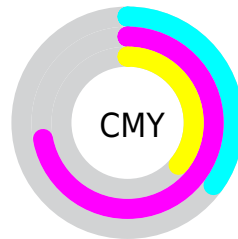


Cyan (0%)

Magenta (57%)

Yellow (1%)

Black (35%)



Cyan (35%)

Magenta (72%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6800, 15.2938, 36.7732 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 24.6800, 15.2938, 36.7732 by changing the saturation by 10% instead.

■ 24.6800, 15.2938,
36.7732

■ 24.6800, 15.2938,
36.7732

268.6177,
225.1377, 347.4666

■ 15.9663, 9.0258,
24.7375

■ 50.5843, 35.3678,
71.4063

■ 9.5910, 4.7580,
15.6644

■ 68.5055, 49.9426,
94.8407

■ 5.1888, 2.1060,
9.1352

■ 90.2266, 68.0551,
122.9119

■ 2.3943, 0.6680,
4.7315

■ 116.1129, 90.0898,
156.0382

■ 0.8423, 0.0000,
2.0346

■ 146.5298,
116.4310, 194.6383

■ 0.0000, 0.0000,
0.5764

181.8427,

■ 0.0000, 0.0000,

147.4631, 239.1307

0.0000

222.4169,
183.5705, 289.9340

■ 24.6800, 15.2938,
36.7732

■ 24.6800, 15.2938,
36.7732

■ 23.7336, 13.4510,
36.3023

■ 25.9160, 17.7148,
37.3413

■ 23.0509, 12.1360,
35.9196

■ 27.4613, 20.7547,
38.0129

■ 22.6046, 11.2936,
35.6161

■ 29.3358, 24.4528,
38.7946

■ 22.3514, 10.8372,
35.3774

■ 31.5574, 28.8449,
39.6924

■ 22.2927, 10.7338,
35.3151

■ 34.1424, 33.9639,
40.7118

■ 37.1065, 39.8407,
41.8580

■ 40.4641, 46.5045,
43.1358

■ 44.2291, 53.9829,
44.5498

■ 48.4145, 62.3020,
46.1044

Harmonies

Analogous

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



19.7021, 15.2938, 56.5337



24.6800, 15.2938, 36.7732



26.8897, 15.2938, 17.6985

Triad

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



24.6800, 15.2938, 36.7732



14.8971, 15.2938, 1.3341



7.4097, 15.2938, 33.8441

Complementary

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



24.6800, 15.2938, 36.7732



17.4381, 29.0938, 11.0008

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.



6.6995, 15.2938, 15.6483



24.6800, 15.2938, 36.7732



10.3629, 15.2938, 2.0449

Square

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



24.6800, 15.2938, 36.7732



20.4711, 15.2938, 2.3088



7.6404, 15.2938, 5.6575



9.8761, 15.2938, 54.2499

Rectangle

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



24.6800, 15.2938, 36.7732



26.1787, 15.2938, 9.3404



7.6404, 15.2938, 5.6575



6.9876, 15.2938, 27.0346

Sweetspot

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



24.6805, 15.2945, 36.7735



57.2339, 52.2731, 72.0212



11.8531, 8.6606, 37.1240



12.6242, 11.3343, 16.0435



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.6805, 15.2945, 36.7735



42.6462, 23.5853, 65.6556



21.1858, 13.8966, 18.3705



7.8350, 7.6639, 9.4482



17.2889, 8.3243, 27.3967



0.4227, 0.2034, 0.6774

Inverse Universe

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



24.6805, 15.2945, 36.7735



42.6462, 23.5853, 65.6556



19.6307, 29.9708, 22.5470



7.8350, 7.6639, 9.4482



17.2889, 8.3243, 27.3967



0.4227, 0.2034, 0.6774

Previews

White Background



This preview shows how the XYZ color 24.6800, 15.2938, 36.7732 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 24.6800, 15.2938, 36.7732 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 24.6800, 15.2938, 36.7732

Background



This preview shows how black text looks on a background with the XYZ color 24.6800, 15.2938, 36.7732.



This preview shows how white text looks on a background with the XYZ color 24.6800, 15.2938,

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

24.6800, 15.2938, 36.7732

Protanopia

17.6054, 15.7299, 54.3328

Deuteranopia

15.9546, 15.6300, 34.5238



Tritanopia

19.7842, 15.2584, 12.9687

Trichromacy



Original Color

24.6800, 15.2938, 36.7732

Protanomaly

18.3634, 14.4092, 47.1608

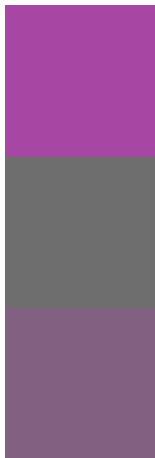
Deuteranomaly

17.9086, 14.5740, 35.1269

Tritanomaly

21.1664, 14.9921, 19.8673

Monochromacy



Original Color

24.6800, 15.2938, 36.7732

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

17.4181, 14.7233, 23.0429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6800, 15.2938, 36.7732 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(166, 71, 164)` looks like.

```
.text, #text, p{  
    color:rgb(166, 71, 164)  
}
```

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(166, 71, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 71, 164) }
```

Border

The CSS property to change the border of an element to XYZ 24.6800, 15.2938, 36.7732 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(166, 71, 164) }
```


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

```
.border{ border-color:rgb(166, 71, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 71, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 71, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 71, 164);  
box-shadow:4px 4px 4px 4px rgb(166, 71,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6800, 15.2938, 36.7732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 71, 164) }
```

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

```
.background{ background-color: rgb(166, 71,  
164) }
```

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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