

Converting Colors

XYZ(24.7447, 15.0727, 41.3435)

Have a look what the booklet for
XYZ(24.7447, 15.0727, 41.3435)
contains.

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Color

**XYZ(24.7752, 15.0599,
41.1362)**

Conversions

Conversions Part 1

Format	Color
Hex	A345AD
RGB	163, 69, 173
RGB Percent	64%, 27%, 68%
CMY	0.3608, 0.7294, 0.3216
CMYK	0.06, 0.60, 0.00, 0.32
HSL	294°, 43%, 47%
HSV	294°, 60%, 68%
XYZ	24.7752, 15.0599, 41.1362
YIQ	108.9620, 22.6400, 52.2720

Conversions

Conversions Part 2

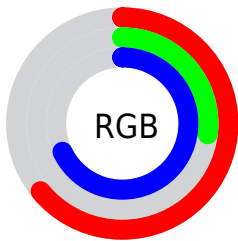
Format	Color
R_{YB}	163, 69, 173
Decimal	10700205
CIE _{Lab}	45.72, 53.38, -38.18
CIE _{LCh}	46, 65.625, 324.428
Yxy	15.0599, 0.3060, 0.1860
Android (android.graphics.Color)	4288890285 (0xFFA345AD)
YUV	108.9620, 31.5707, 47.3913
Hunter-Lab	38.8071, 46.0455, -35.6835

Details

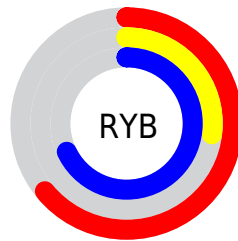
The XYZ color **24.7752, 15.0599, 41.1362** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.2427, 31.9794, 10.7893**, and the grayscale version is **14.4346, 15.1863, 16.5379**.

A 20% lighter version of the original color is **50.7410, 35.0387, 78.2175**, and **9.6179, 4.6310, 18.1563** is the 20% darker color. If you saturate the color by 10%, you get **23.5238, 13.0590, 40.8162**, and if you desaturate by 10%, it is **26.3424, 17.6848, 41.5605**.

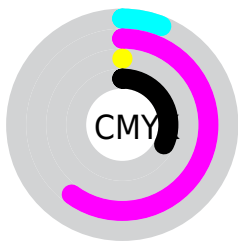
Distribution



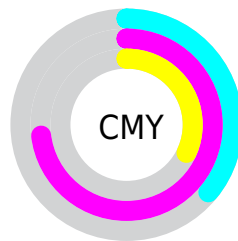
- Red (64%)
- Green (27%)
- Blue (68%)



- Red (64%)
- Yellow (27%)
- Blue (68%)



- Cyan (6%)
- Magenta (60%)
- Yellow (0%)
- Black (32%)





- Cyan (36%)
- Magenta (73%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7752, 15.0599, 41.1362 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 24.7752, 15.0599, 41.1362 by changing the saturation by 10% instead.


 24.7752, 15.0599,
41.1362

 24.7752, 15.0599,
41.1362


269.0849,
223.7285, 366.5830


 16.0375, 8.8614,
28.1050


 50.7378, 34.9582,
78.1465


 9.6417, 4.6509,
18.1651


 68.6934, 49.4269,
102.9627


 5.2225, 2.0439,
10.8979


 90.4524, 67.4211,
132.5444

 2.4145, 0.6328,
5.8849

 116.3801, 89.3251,
167.3100

 0.8523, 0.0000,
2.7076

 146.8418,
115.5235, 207.6782

 0.0000, 0.0000,
0.9472

182.2030,

 0.0000, 0.0000,

146.4006, 254.0673

0.0000

222.8289,
182.3408, 306.8961

■ 24.7752, 15.0599,
41.1362

■ 24.7752, 15.0599,
41.1362

■ 23.5238, 13.0590,
40.8162

■ 26.3424, 17.6848,
41.5605

■ 22.5587, 11.6245,
40.5901

■ 28.2482, 20.9808,
42.0962

■ 21.8477, 10.6915,
40.4475

■ 30.5152, 24.9925,
42.7511

■ 21.3242, 10.1217,
40.3651

■ 33.1637, 29.7604,
43.5318

■ 36.2123, 35.3217,
44.4446

■ 39.6784, 41.7114,
45.4952

■ 43.5785, 48.9622,
46.6892

■ 47.9281, 57.1051,
48.0317

■ 52.7418, 66.1695,
49.5276

Harmonies

Analogous

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



19.1570, 15.0599, 62.4356



24.7752, 15.0599, 41.1362



27.6581, 15.0599, 19.5236

Triad

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



24.7752, 15.0599, 41.1362



15.3675, 15.0599, 0.9442



6.6730, 15.0599, 32.4162

Complementary

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



24.7752, 15.0599, 41.1362



19.2427, 31.9794, 10.7893

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.



6.1474, 15.0599, 13.6246



24.7752, 15.0599, 41.1362



10.3648, 15.0599, 1.3823

Square

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



24.7752, 15.0599, 41.1362



21.4033, 15.0599, 2.0296



7.3107, 15.0599, 4.3233



8.9935, 15.0599, 55.5241

Rectangle

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



24.7752, 15.0599, 41.1362



27.2198, 15.0599, 9.9405



7.3107, 15.0599, 4.3233



6.3105, 15.0599, 25.1780

Sweetspot

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



24.7758, 15.0606, 41.1365



60.3228, 54.9842, 78.2394



12.8226, 9.9329, 40.7768



12.7948, 11.3784, 16.9096



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.



24.7758, 15.0606, 41.1365



41.5336, 22.4757, 72.9549



23.4861, 14.7906, 23.2328



8.2600, 8.1084, 10.0824



15.6922, 7.4495, 29.6553



0.4580, 0.2183, 0.8260

Inverse Universe

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



20.7734, 13.7056, 8.9483



34.0211, 20.0030, 9.3447



20.2456, 32.2916, 20.0903



8.0354, 8.0274, 8.4971



12.7431, 6.5598, 1.0267



0.3643, 0.1864, 0.0801

Previews

White Background



This preview shows how the XYZ color 24.7752, 15.0599, 41.1362 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 24.7752, 15.0599, 41.1362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

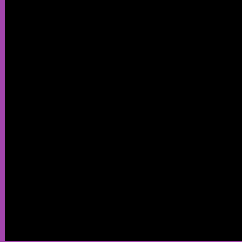
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.7752, 15.0599, 41.1362

Background



This preview shows how black text looks on a background with the XYZ color 24.7752, 15.0599, 41.1362.



This preview shows how white text looks on a background with the XYZ color 24.7752, 15.0599,

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

24.7752, 15.0599, 41.1362

Protanopia

17.7302, 15.3382, 61.0576

Deuteranopia

15.6388, 15.2276, 38.1914



Tritanopia

18.9507, 14.9477, 13.1956

Trichromacy



Original Color

24.7752, 15.0599, 41.1362



Protanomaly

18.0911, 13.8697, 53.3534



Deuteranomaly

17.7197, 14.2495, 39.3526



Tritanomaly

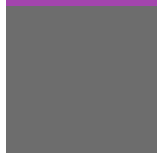
20.6236, 14.6834, 21.1492

Monochromacy



Original Color

24.7752, 15.0599, 41.1362



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

17.2208, 14.3385, 23.6898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7752, 15.0599, 41.1362 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(163, 69, 173)` looks like.

```
.text, #text, p{  
    color:rgb(163, 69, 173)  
}
```

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(163, 69, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 69, 173) }
```

Border

The CSS property to change the border of an element to XYZ 24.7752, 15.0599, 41.1362 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(163, 69, 173) }
```


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

```
.border{ border-color:rgb(163, 69, 173) }
```

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

Here you see how a box with a 4 pixel rgb(163, 69, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 69, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 69, 173);  
box-shadow:4px 4px 4px 4px rgb(163, 69,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7752, 15.0599, 41.1362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 69, 173) }
```

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

```
.background{ background-color: rgb(163, 69,  
173) }
```

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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