

Converting Colors

XYZ(25.1506, 14.9374, 42.3992)

Have a look what the booklet for
XYZ(25.1506, 14.9374, 42.3992)
contains.

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Color

**XYZ(25.3017, 15.0304,
42.6419)**

Conversions

Conversions Part 1

Format	Color
Hex	A542B0
RGB	165, 66, 176
RGB Percent	65%, 26%, 69%
CMY	0.3529, 0.7412, 0.3098
CMYK	0.06, 0.62, 0.00, 0.31
HSL	294°, 45%, 47%
HSV	294°, 62%, 69%
XYZ	25.3017, 15.0304, 42.6419
YIQ	108.1410, 23.6940, 55.1980

Conversions

Conversions Part 2

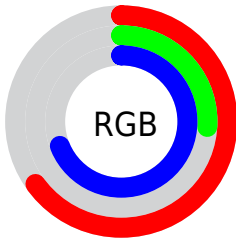
Format	Color
RYB	165, 66, 176
Decimal	10830512
CIELab	45.68, 55.80, -39.99
CIELCh	46, 68.648, 324.372
Yxy	15.0304, 0.3049, 0.1811
Android (android.graphics.Color)	4289020592 (0xFFA542B0)
YUV	108.1410, 33.4545, 49.8653
Hunter-Lab	38.7691, 48.6479, -38.0744

Details

The XYZ color **25.3017, 15.0304, 42.6419** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.5699, 33.0222, 10.4975**, and the grayscale version is **14.1986, 14.9380, 16.2675**.

A 20% lighter version of the original color is **51.4062, 34.7887, 80.3494**, and **10.0056, 4.7451, 19.1274** is the 20% darker color. If you saturate the color by 10%, you get **24.0638, 13.0938, 42.3336**, and if you desaturate by 10%, it is **26.8622, 17.6036, 43.0566**.

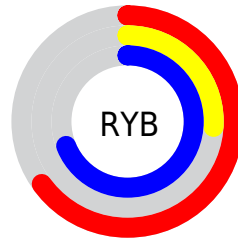
Distribution



Red (65%)

Green (26%)

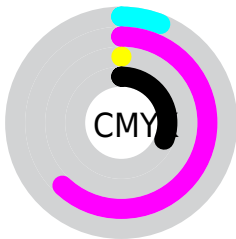
Blue (69%)



Red (65%)

Yellow (26%)

Blue (69%)

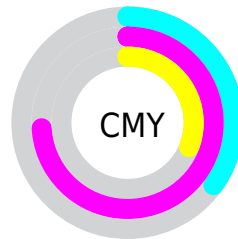


Cyan (6%)

Magenta (62%)

Yellow (0%)

Black (31%)



Cyan (35%)

Magenta (74%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.3017, 15.0304, 42.6419 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 25.3017, 15.0304, 42.6419 by changing the saturation by 10% instead.


 25.3017, 15.0304,
42.6419


 25.3017, 15.0304,
42.6419

271.6571,
223.5502, 373.0149

 16.4319, 8.8407,
29.2749


 51.5856, 34.9065,
80.4507

 9.9231, 4.6374,
19.0415


 69.7305, 49.3617,
105.7297


 5.4099, 2.0361,
11.5232


 91.6977, 67.3409,
135.8164

 2.5269, 0.6283,
6.3013

 117.8527, 89.2284,
171.1294

 0.9088, 0.0000,
2.9574

 148.5607,
115.4087, 212.0872

 0.0000, 0.0000,
1.0729

184.1873,

 0.0000, 0.0000,

146.2662, 259.1083

0.0000

225.0976,
182.1852, 312.6114

■ 25.3017, 15.0304,
42.6419

■ 25.3017, 15.0304,
42.6419

■ 24.0638, 13.0938,
42.3336

■ 26.8622, 17.6036,
43.0566

■ 23.1165, 11.7316,
42.1206

■ 28.7697, 20.8640,
43.5853

■ 22.4246, 10.8726,
41.9912

■ 31.0485, 24.8593,
44.2364

■ 22.0160, 10.4444,
41.9301

■ 33.7201, 29.6326,
45.0169

■ 36.8042, 35.2234,
45.9335

■ 40.3194, 41.6686,
46.9923

■ 44.2830, 49.0030,
48.1991

■ 48.7113, 57.2593,
49.5593

■ 53.6200, 66.4686,
51.0782

Harmonies

Analogous

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



19.3569, 15.0304, 65.5410



25.3017, 15.0304, 42.6419



28.3725, 15.0304, 19.6746

Triad

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



25.3017, 15.0304, 42.6419



15.3989, 15.0304, 0.7295



6.3904, 15.0304, 33.2390

Complementary

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



25.3017, 15.0304, 42.6419



19.5699, 33.0222, 10.4975

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.



5.8601, 15.0304, 13.4501



25.3017, 15.0304, 42.6419



10.1883, 15.0304, 1.1442

Square

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



25.3017, 15.0304, 42.6419



21.7510, 15.0304, 1.7569



7.0464, 15.0304, 3.9753



8.7603, 15.0304, 58.0111

Rectangle

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



25.3017, 15.0304, 42.6419



27.9120, 15.0304, 9.6914



7.0464, 15.0304, 3.9753



6.0234, 15.0304, 25.5612

Sweetspot

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



25.3023, 15.0311, 42.6422



62.8444, 56.7887, 82.1444



12.7378, 9.6014, 42.2564



13.2955, 11.7224, 17.7062



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.



25.3023, 15.0311, 42.6422



42.9289, 22.6884, 76.6120



24.0181, 14.7932, 23.4201



8.7646, 8.6027, 10.7049



16.1815, 7.6776, 30.7661



0.5331, 0.2539, 0.9692

Inverse Universe

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



21.1928, 13.6631, 8.5422



35.2105, 20.2062, 8.6272



20.5872, 33.3351, 20.1020



8.5297, 8.5186, 9.0221



13.2252, 6.8077, 1.0802



0.4273, 0.2187, 0.0929

Previews

White Background



This preview shows how the XYZ color 25.3017, 15.0304, 42.6419 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 25.3017, 15.0304, 42.6419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

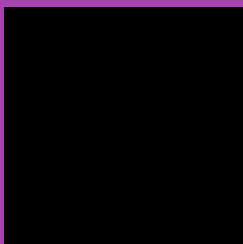
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.3017, 15.0304, 42.6419

Background



This preview shows how black text looks on a background with the XYZ color 25.3017, 15.0304, 42.6419.



This preview shows how white text looks on a background with the XYZ color 25.3017, 15.0304,

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

25.3017, 15.0304, 42.6419

Protanopia

18.0167, 15.3995, 64.9736

Deuteranopia

15.7720, 15.4216, 39.6815



Tritanopia

19.2013, 14.9578, 12.9415

Trichromacy



Original Color

25.3017, 15.0304, 42.6419



Protanomaly

18.0969, 13.6785, 56.3300



Deuteranomaly

17.7912, 14.1223, 40.8179



Tritanomaly

20.9422, 14.7365, 21.1427

Monochromacy



Original Color

25.3017, 15.0304, 42.6419



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

17.2012, 14.1893, 24.0225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3017, 15.0304, 42.6419 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(165, 66, 176)` looks like.

```
.text, #text, p{  
    color:rgb(165, 66, 176)  
}
```

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(165, 66, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 66, 176) }
```

Border

The CSS property to change the border of an element to XYZ 25.3017, 15.0304, 42.6419 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(165, 66, 176) }
```


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

```
.border{ border-color:rgb(165, 66, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 66, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 66, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 66, 176);  
box-shadow:4px 4px 4px 4px rgb(165, 66,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3017, 15.0304, 42.6419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 66, 176) }
```

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

```
.background{ background-color: rgb(165, 66,  
176) }
```

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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