

Converting Colors

XYZ(24.6137, 15.1391, 30.2730)

Have a look what the booklet for
XYZ(24.6137, 15.1391, 30.2730)
contains.

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Color

**XYZ(24.5854, 15.1069,
30.4743)**

Conversions

Conversions Part 1

Format	Color
Hex	AC4496
RGB	172, 68, 150
RGB Percent	67%, 27%, 59%
CMY	0.3255, 0.7333, 0.4118
CMYK	0.00, 0.60, 0.13, 0.33
HSL	313°, 43%, 47%
HSV	313°, 60%, 67%
XYZ	24.5854, 15.1069, 30.4743
YIQ	108.4440, 35.6620, 47.5500

Conversions

Conversions Part 2

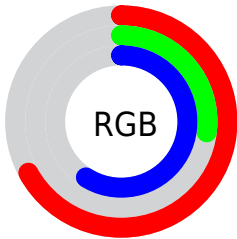
Format	Color
R_{YB}	172, 68, 150
Decimal	11289750
CIE _{Lab}	45.78, 52.28, -24.31
CIE _{LCh}	46, 57.658, 335.067
Yxy	15.1069, 0.3504, 0.2153
Android (android.graphics.Color)	4289479830 (0xFFAC4496)
YUV	108.4440, 20.4871, 55.7386
Hunter-Lab	38.8676, 44.8905, -19.2793

Details

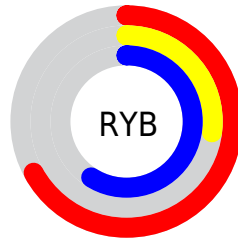
The XYZ color **24.5854, 15.1069, 30.4743** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.9826, 31.4727, 14.7484**, and the grayscale version is **14.3164, 15.0619, 16.4024**.

A 20% lighter version of the original color is **50.4917, 35.1017, 61.2408**, and **9.5991, 4.7045, 12.2065** is the 20% darker color. If you saturate the color by 10%, you get **23.4052, 13.2080, 28.6577**, and if you desaturate by 10%, it is **26.0808, 17.6212, 32.4411**.

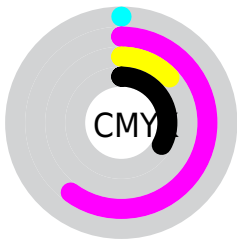
Distribution



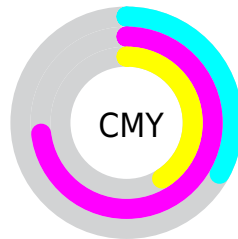
- Red (67%)
- Green (27%)
- Blue (59%)



- Red (67%)
- Yellow (27%)
- Blue (59%)



- Cyan (0%)
- Magenta (60%)
- Yellow (13%)
- Black (33%)





- Cyan (33%)
- Magenta (73%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5854, 15.1069, 30.4743 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 24.5854, 15.1069, 30.4743 by changing the saturation by 10% instead.

 24.5854, 15.1069,
30.4743


 24.5854, 15.1069,
30.4743


268.1527,
224.0123, 318.3849


 15.8955, 8.8944,
19.9438


 50.4316, 35.0406,
61.4813

 9.5406, 4.6724,
12.1705


 68.3186, 49.5306,
82.7948


 5.1554, 2.0564,
6.7360

 90.0020, 67.5487,
108.5398

 2.3744, 0.6399,
3.2216

 115.8472, 89.4791,
139.1348

 0.8323, 0.0000,
1.2089

 146.2195,
115.7062, 174.9982

 0.0000, 0.0000,
0.0000

181.4843,

146.6146, 216.5487

222.0069,
182.5885, 264.2047

■ 24.5854, 15.1069,
30.4743

■ 24.5854, 15.1069,
30.4743

■ 23.4052, 13.2080,
28.6577

■ 26.0808, 17.6212,
32.4411

■ 22.5112, 11.8671,
26.9809

■ 27.9143, 20.7972,
34.5658

■ 21.8711, 11.0200,
25.4328

■ 30.1082, 24.6792,
36.8563

■ 21.4300, 10.5374,
24.0534

■ 32.6825, 29.3072,
39.3197

■ 35.6559, 34.7181,
41.9625

■ 39.0455, 40.9464,
44.7910

■ 42.8676, 48.0244,
47.8108

■ 47.1377, 55.9829,
51.0274

■ 51.8703, 64.8508,
54.4462

Harmonies

Analogous

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



20.4114, 15.1069, 49.4282



24.5854, 15.1069, 30.4743



25.7967, 15.1069, 14.2008

Triad

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



24.5854, 15.1069, 30.4743



13.5506, 15.1069, 1.6096



7.9978, 15.1069, 37.0626

Complementary

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



24.5854, 15.1069, 30.4743



18.9826, 31.4727, 14.7484

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.



6.9279, 15.1069, 18.9224



24.5854, 15.1069, 30.4743



9.6391, 15.1069, 2.8418

Square

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



24.5854, 15.1069, 30.4743



18.6603, 15.1069, 2.1711



7.4530, 15.1069, 7.5625



10.7748, 15.1069, 54.5050

Rectangle

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



24.5854, 15.1069, 30.4743



24.5723, 15.1069, 7.5290



7.4530, 15.1069, 7.5625



7.4589, 15.1069, 30.5594

Sweetspot

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



24.5859, 15.1076, 30.4746



60.3827, 55.1460, 72.3293



13.6150, 9.2276, 40.0936



12.8104, 11.4192, 15.4328



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.



24.5859, 15.1076, 30.4746



41.7779, 22.9115, 50.7900



21.3427, 13.8104, 13.3963



8.2634, 8.1186, 9.6979



15.9678, 7.8497, 18.0076



0.4622, 0.2256, 0.5955

Inverse Universe

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



24.5859, 15.1076, 30.4746



41.7779, 22.9115, 50.7900



21.9299, 32.6516, 30.2687



8.2634, 8.1186, 9.6979



15.9678, 7.8497, 18.0076



0.4622, 0.2256, 0.5955

Previews

White Background



This preview shows how the XYZ color 24.5854, 15.1069, 30.4743 looks on a white background.

Color Contrast Check

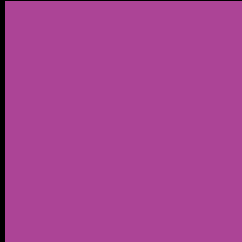
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5854, 15.1069, 30.4743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

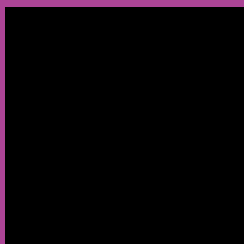
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.5854, 15.1069, 30.4743

Background



This preview shows how black text looks on a background with the XYZ color 24.5854, 15.1069, 30.4743.



This preview shows how white text looks on a background with the XYZ color 24.5854, 15.1069,

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

24.5854, 15.1069, 30.4743

Protanopia

16.8431, 15.5125, 46.3625

Deuteranopia

15.6586, 15.2957, 28.5126



Tritanopia

20.7417, 15.1858, 11.5108

Trichromacy



Original Color

24.5854, 15.1069, 30.4743

Protanomaly

17.8521, 14.1757, 39.8255

Deuteranomaly

17.8551, 14.4161, 29.0356

Tritanomaly

21.7975, 14.9435, 17.0648

Monochromacy



Original Color

24.5854, 15.1069, 30.4743

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.8496, 14.0841, 20.5693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5854, 15.1069, 30.4743 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(172, 68, 150)` looks like.

```
.text, #text, p{  
    color:rgb(172, 68, 150)  
}
```

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(172, 68, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 68, 150) }
```

Border

The CSS property to change the border of an element to XYZ 24.5854, 15.1069, 30.4743 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(172, 68, 150) }
```


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

```
.border{ border-color:rgb(172, 68, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 68, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 68, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 68, 150);  
box-shadow:4px 4px 4px 4px rgb(172, 68,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5854, 15.1069, 30.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 68, 150) }
```

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

```
.background{ background-color: rgb(172, 68,  
150) }
```

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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