

Converting Colors

XYZ(24.4876, 15.3827, 46.4345)

Have a look what the booklet for
XYZ(24.4876, 15.3827, 46.4345)
contains.

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Color

**XYZ(24.5809, 15.4196,
46.4805)**

Conversions

Conversions Part 1

Format	Color
Hex	9B4BB7
RGB	155, 75, 183
RGB Percent	61%, 29%, 72%
CMY	0.3921, 0.7059, 0.2824
CMYK	0.15, 0.59, 0.00, 0.28
HSL	284°, 43%, 51%
HSV	284°, 59%, 72%
XYZ	24.5809, 15.4196, 46.4805
YIQ	111.2320, 13.0120, 50.5480

Conversions

Conversions Part 2

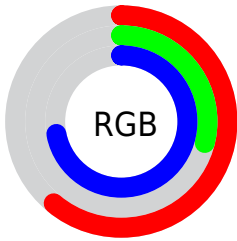
Format	Color
R_{YB}	155, 75, 183
Decimal	10177463
CIE _{Lab}	46.20, 50.44, -43.34
CIE _{LCh}	46, 66.505, 319.327
Yxy	15.4196, 0.2842, 0.1783
Android (android.graphics.Color)	4288367543 (0xFF9B4BB7)
YUV	111.2320, 35.3816, 38.3845
Hunter-Lab	39.2678, 43.0190, -42.6929

Details

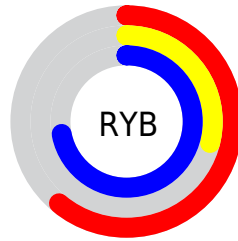
The XYZ color **24.5809, 15.4196, 46.4805** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **23.7974, 37.2589, 12.5946**, and the grayscale version is **15.0751, 15.8602, 17.2718**.

A 20% lighter version of the original color is **50.5987, 35.7267, 86.6672**, and **9.5794, 4.8520, 21.2005** is the 20% darker color. If you saturate the color by 10%, you get **22.6209, 12.8244, 46.0831**, and if you desaturate by 10%, it is **26.9348, 18.7484, 46.9992**.

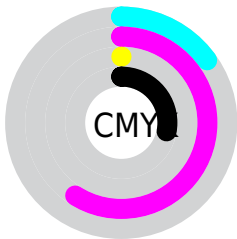
Distribution



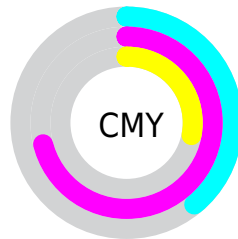
- Red (61%)
- Green (29%)
- Blue (72%)



- Red (61%)
- Yellow (29%)
- Blue (72%)



- Cyan (15%)
- Magenta (59%)
- Yellow (0%)
- Black (28%)



- Cyan (39%)
- Magenta (71%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5809, 15.4196, 46.4805 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 24.5809, 15.4196, 46.4805 by changing the saturation by 10% instead.

■ 24.5809, 15.4196,
46.4805

■ 24.5809, 15.4196,
46.4805

268.1306,
225.8921, 389.0706

■ 15.8922, 9.1144,
32.2738

■ 50.4243, 35.5876,
86.2795

■ 9.5382, 4.8159,
21.3041

■ 68.3097, 50.2192,
112.7088

■ 5.1538, 2.1396,
13.1531

■ 89.9913, 68.3951,
144.0494

■ 2.3735, 0.6868,
7.4021

■ 115.8345, 90.4996,
180.7199

■ 0.8319, 0.0000,
3.6326

■ 146.2047,
116.9172, 223.1387

■ 0.0000, 0.0000,
1.4260

181.4672,

■ 0.0000, 0.0000,

148.0322, 271.7244

0.1619

221.9874,
184.2290, 326.8955

■ 0.0000, 0.0000,
0.0000

■ 24.5809, 15.4196,
46.4805

■ 24.5809, 15.4196,
46.4805

■ 22.6209, 12.8244,
46.0831

■ 26.9348, 18.7484,
46.9992

■ 21.0211, 10.8975,
45.7955

■ 29.7091, 22.8647,
47.6475

■ 19.7445, 9.5653,
45.6057

■ 32.9297, 27.8195,
48.4341

■ 18.7242, 8.6943,
45.4913

■ 36.6200, 33.6588,
49.3667

■ 18.6289, 8.6162,
45.4813

■ 40.8018, 40.4255,
50.4524

■ 45.4951, 48.1594,
51.6979

■ 50.7190, 56.8980,
53.1093

■ 56.4917, 66.6769,
54.6925

■ 62.8301, 77.5298,
56.4533

Harmonies

Analogous

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



18.5696, 15.4196, 66.8729



24.5809, 15.4196, 46.4805



28.1975, 15.4196, 23.2636

Triad

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



24.5809, 15.4196, 46.4805



16.7699, 15.4196, 1.0007



6.5855, 15.4196, 29.3929

Complementary

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



24.5809, 15.4196, 46.4805



23.7974, 37.2589, 12.5946

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.



6.3388, 15.4196, 11.6437



24.5809, 15.4196, 46.4805



11.3347, 15.4196, 1.1986

Square

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



24.5809, 15.4196, 46.4805



22.9746, 15.4196, 2.4951



7.8429, 15.4196, 3.5518



8.6352, 15.4196, 53.3657

Rectangle

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



24.5809, 15.4196, 46.4805



28.2664, 15.4196, 12.2191



7.8429, 15.4196, 3.5518



6.3134, 15.4196, 22.3770

Sweetspot

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



24.5815, 15.4202, 46.4808



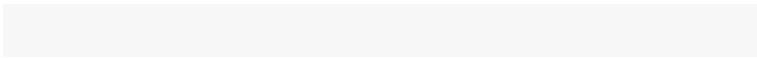
66.0931, 61.0954, 88.5448



16.3796, 14.7758, 46.7887



14.1498, 12.7778, 19.4422



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.5815, 15.4202, 46.4808



39.5417, 21.7546, 82.3507



28.1993, 17.5617, 34.1615



9.1475, 9.0424, 11.3427



13.0623, 6.0451, 31.7314



0.5148, 0.2411, 1.1212

Inverse Universe

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



24.4931, 16.0792, 14.6451



40.0378, 23.4381, 17.8676



22.1455, 36.2872, 17.9450



9.0976, 9.0494, 9.8615



14.0120, 7.1785, 2.6838



0.5201, 0.2635, 0.2323

Previews

White Background



This preview shows how the XYZ color 24.5809, 15.4196, 46.4805 looks on a white background.

Color Contrast Check

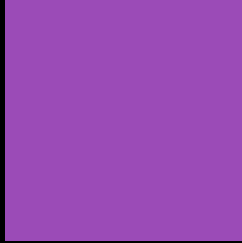
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5809, 15.4196, 46.4805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

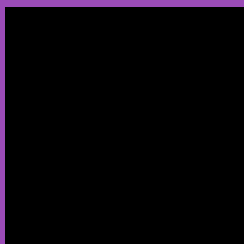
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.5809, 15.4196, 46.4805

Background



This preview shows how black text looks on a background with the XYZ color 24.5809, 15.4196, 46.4805.



This preview shows how white text looks on a background with the XYZ color 24.5809, 15.4196,

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

24.5809, 15.4196, 46.4805

Protanopia

18.4183, 15.7439, 65.6865

Deuteranopia

16.0109, 15.6260, 43.2466



Tritanopia

18.2750, 15.4782, 15.1211

Trichromacy



Original Color

24.5809, 15.4196, 46.4805

Protanomaly

18.7095, 14.4746, 58.3077

Deuteranomaly

17.8909, 14.6288, 44.5285

Tritanomaly

20.0188, 15.1341, 24.0564

Monochromacy



Original Color

24.5809, 15.4196, 46.4805

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

17.6354, 15.0535, 25.6430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5809, 15.4196, 46.4805 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(155, 75, 183)` looks like.

```
.text, #text, p{  
    color:rgb(155, 75, 183)  
}
```

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(155, 75, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 75, 183) }
```

Border

The CSS property to change the border of an element to XYZ 24.5809, 15.4196, 46.4805 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(155, 75, 183) }
```


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

```
.border{ border-color:rgb(155, 75, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 75, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 75, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 75, 183);  
box-shadow:4px 4px 4px 4px rgb(155, 75,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5809, 15.4196, 46.4805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 75, 183) }
```

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

```
.background{ background-color: rgb(155, 75,  
183) }
```

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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