

Converting Colors

XYZ(29.3124, 24.4345, 48.5427)

Have a look what the booklet for
XYZ(29.3124, 24.4345, 48.5427)
contains.

XYZ(29.3216, 24.4477, 48.5209)	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(29.3216, 24.4477,
48.5209)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7AB8
RGB	156, 122, 184
RGB Percent	61%, 48%, 72%
CMY	0.3882, 0.5216, 0.2784
CMYK	0.15, 0.34, 0.00, 0.28
HSL	273°, 30%, 60%
HSV	273°, 34%, 72%
XYZ	29.3216, 24.4477, 48.5209
YIQ	139.2340, 0.3620, 26.4900

Conversions

Conversions Part 2

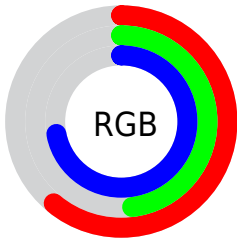
Format	Color
R_{YB}	156, 122, 184
Decimal	10255032
CIE _{Lab}	56.53, 25.20, -27.71
CIE _{LCh}	57, 37.454, 312.292
Yxy	24.4477, 0.2867, 0.2390
Android (android.graphics.Color)	4288445112 (0xFF9C7AB8)
YUV	139.2340, 22.0696, 14.7038
Hunter-Lab	49.4446, 19.3258, -23.5711

Details

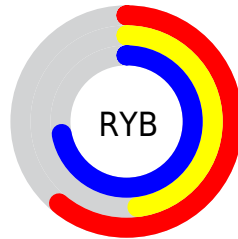
The XYZ color **29.3216, 24.4477, 48.5209** is a light color, and the websafe version is hex **996699**. A complement of this color would be **33.2318, 42.1708, 24.8017**, and the grayscale version is **24.5490, 25.8274, 28.1261**.

A 20% lighter version of the original color is **57.9221, 50.8001, 89.1906**, and **12.1882, 9.3468, 22.6345** is the 20% darker color. If you saturate the color by 10%, you get **25.7194, 19.5489, 47.7656**, and if you desaturate by 10%, it is **33.4632, 30.2607, 49.4250**.

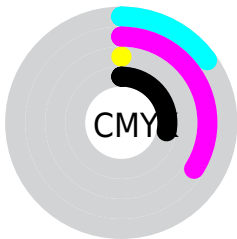
Distribution



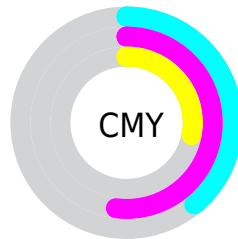
- Red (61%)
- Green (48%)
- Blue (72%)



- Red (61%)
- Yellow (48%)
- Blue (72%)



- Cyan (15%)
- Magenta (34%)
- Yellow (0%)
- Black (28%)



- Cyan (39%)
- Magenta (52%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3216, 24.4477, 48.5209 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 29.3216, 24.4477, 48.5209 by changing the saturation by 10% instead.

■ 29.3216, 24.4477,
48.5209

■ 29.3216, 24.4477,
48.5209

290.6962,
275.0762, 397.4213

■ 19.4697, 15.6661,
33.8767

■ 57.9817, 50.7598,
89.3531

■ 12.1162, 9.2882,
22.5223

■ 77.5206, 69.0591,
116.3781

■ 6.8956, 4.9296,
14.0392

■ 101.0193, 91.2996,
148.3671

■ 3.4427, 2.2060,
8.0089

128.8431,
117.8659, 185.7387

■ 1.3919, 0.7233,
4.0128

161.3573,
149.1423, 228.9113

■ 0.2505, 0.0000,
1.6323

198.9273,

■ 0.0000, 0.0000,

185.5132, 278.3036

0.3137

241.9185,
227.3630, 334.3341

■ 0.0000, 0.0000,
0.0000

■ 29.3216, 24.4477,
48.5209

■ 29.3216, 24.4477,
48.5209

■ 25.7194, 19.5489,
47.7656

■ 33.4632, 30.2607,
49.4250

■ 22.6278, 15.5117,
47.1493

■ 38.1661, 37.0306,
50.4839

■ 20.0186, 12.2828,
46.6635

■ 43.4541, 44.8009,
51.7050

■ 17.8598, 9.8012,
46.2983

■ 49.3485, 53.6116,
53.0950

■ 16.1147, 7.9973,
46.0421

■ 55.8697, 63.5005,
54.6600

■ 14.7395, 6.7871,
45.8810

■ 63.0370, 74.5033,
56.4060

■ 14.0079, 6.2219,
45.8105

■ 70.8689, 86.6543,
58.3386

■ 74.6831, 90.5862,
58.8965

■ 77.2989, 91.9346,
59.0189

Harmonies

Analogous

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



25.0604, 24.4477, 57.4941



29.3216, 24.4477, 48.5209



32.1348, 24.4477, 34.5772

Triad

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



29.3216, 24.4477, 48.5209



25.8707, 24.4477, 9.7175



15.9949, 24.4477, 32.0427

Complementary

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



29.3216, 24.4477, 48.5209



33.2318, 42.1708, 24.8017

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.



16.1546, 24.4477, 19.9870



29.3216, 24.4477, 48.5209



21.5039, 24.4477, 9.4218

Square

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



29.3216, 24.4477, 48.5209



29.9781, 24.4477, 13.5509



18.0580, 24.4477, 12.5573



17.5904, 24.4477, 46.1749

Rectangle

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



29.3216, 24.4477, 48.5209



32.6201, 24.4477, 25.6744



18.0580, 24.4477, 12.5573



15.8512, 24.4477, 27.5873

Sweetspot

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



29.3224, 24.4487, 48.5214



72.4436, 71.8844, 92.2615



27.7345, 29.7110, 49.6209



15.3362, 15.0855, 19.8251



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.



29.3224, 24.4487, 48.5214



48.4986, 37.9549, 86.9745



35.1640, 27.4850, 47.6721



8.9791, 8.9556, 11.3348



9.7365, 4.3305, 31.5758



0.4135, 0.1889, 1.1164

Inverse Universe

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



32.2325, 26.3124, 32.2350



54.7620, 41.9579, 52.2939



28.8097, 39.8761, 25.2704



9.1687, 9.0778, 10.2357



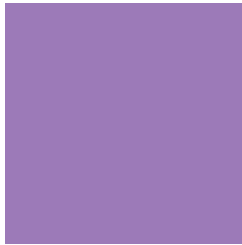
14.7367, 7.4684, 6.5004



0.5508, 0.2758, 0.3938

Previews

White Background



This preview shows how the XYZ color 29.3216, 24.4477, 48.5209 looks on a white background.

Color Contrast Check

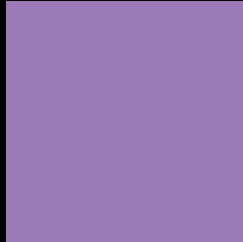
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.3216, 24.4477, 48.5209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

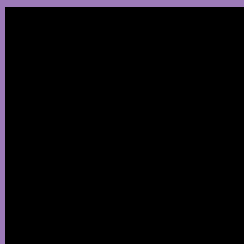
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3216, 24.4477, 48.5209

Background



This preview shows how black text looks on a background with the XYZ color 29.3216, 24.4477, 48.5209.



This preview shows how white text looks on a background with the XYZ color 29.3216, 24.4477,

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

29.3216, 24.4477, 48.5209

Protanopia

25.4869, 24.6824, 53.8729

Deuteranopia

25.1370, 24.6385, 47.6868



Tritanopia

25.3184, 24.5452, 28.6026

Trichromacy



Original Color

29.3216, 24.4477, 48.5209

Protanomaly

26.6370, 24.5083, 52.0418

Deuteranomaly

26.5215, 24.5351, 48.1376

Tritanomaly

26.7539, 24.5481, 35.2265

Monochromacy



Original Color

29.3216, 24.4477, 48.5209

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.9810, 25.1614, 34.4976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3216, 24.4477, 48.5209 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(156, 122, 184)` looks like.

```
.text, #text, p{  
    color:rgb(156, 122, 184)  
}
```

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(156, 122, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 122, 184) }
```

Border

The CSS property to change the border of an element to XYZ 29.3216, 24.4477, 48.5209 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(156, 122, 184) }
```


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

```
.border{ border-color:rgb(156, 122, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 122, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 122, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 122, 184);  
box-shadow:4px 4px 4px 4px rgb(156, 122,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3216, 24.4477, 48.5209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 122, 184) }
```

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

```
.background{ background-color: rgb(156,  
122, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor