

Converting Colors

XYZ(29.6370, 24.5948, 50.3650)

Have a look what the booklet for
XYZ(29.6370, 24.5948, 50.3650)
contains.

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Color

**XYZ(29.6395, 24.5748,
50.1950)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7ABB
RGB	156, 122, 187
RGB Percent	61%, 48%, 73%
CMY	0.3882, 0.5216, 0.2667
CMYK	0.17, 0.35, 0.00, 0.27
HSL	271°, 32%, 61%
HSV	271°, 35%, 73%
XYZ	29.6395, 24.5748, 50.1950
YIQ	139.5760, -0.6010, 27.4230

Conversions

Conversions Part 2

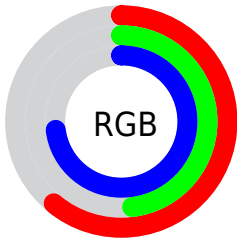
Format	Color
RYB	156, 122, 187
Decimal	10255035
CIELab	56.66, 25.88, -29.23
CIELCh	57, 39.038, 311.523
Yxy	24.5748, 0.2839, 0.2354
Android (android.graphics.Color)	4288445115 (0xFF9C7ABB)
YUV	139.5760, 23.3800, 14.4038
Hunter-Lab	49.5730, 19.9718, -25.3329

Details

The XYZ color **29.6395, 24.5748, 50.1950** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.4207, 43.7187, 25.0377**, and the grayscale version is **24.6762, 25.9612, 28.2718**.

A 20% lighter version of the original color is **58.3716, 50.9799, 91.5576**, and **12.3251, 9.4016, 23.3554** is the 20% darker color. If you saturate the color by 10%, you get **25.8978, 19.5595, 49.4246**, and if you desaturate by 10%, it is **33.9514, 30.5410, 51.1197**.

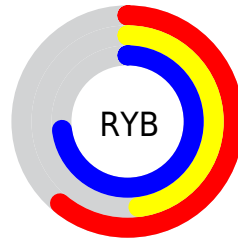
Distribution



Red (61%)

Green (48%)

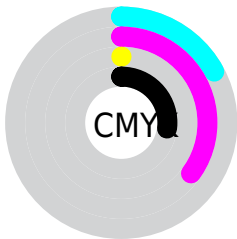
Blue (73%)



Red (61%)

Yellow (48%)

Blue (73%)

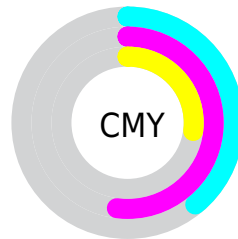


Cyan (17%)

Magenta (35%)

Yellow (0%)

Black (27%)



Cyan (39%)

Magenta (52%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6395, 24.5748, 50.1950 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 29.6395, 24.5748, 50.1950 by changing the saturation by 10% instead.

■ 29.6395, 24.5748,
50.1950

■ 29.6395, 24.5748,
50.1950

292.1605,
275.7137, 404.1849

■ 19.7118, 15.7606,
35.1961

■ 58.4822, 50.9666,
91.8630

■ 12.2928, 9.3549,
23.5292

■ 78.1278, 69.3129,
119.3692

■ 7.0170, 4.9734,
14.7758

■ 101.7436, 91.6054,
151.8816

■ 3.5192, 2.2316,
8.5173

129.6947,
118.2284, 189.8186

■ 1.4339, 0.7372,
4.3352

162.3467,
149.5663, 233.5990

■ 0.2802, 0.0000,
1.8110

200.0647,

■ 0.0000, 0.0000,

186.0036, 283.6411

0.4352

243.2142,
227.9246, 340.3636

■ 0.0000, 0.0000,
0.0000

■ 29.6395, 24.5748,
50.1950

■ 29.6395, 24.5748,
50.1950

■ 25.8978, 19.5595,
49.4246

■ 33.9514, 30.5410,
51.1197

■ 22.6956, 15.4399,
48.7982

■ 38.8570, 37.5032,
52.2050

■ 20.0031, 12.1594,
48.3069

■ 44.3814, 45.5073,
53.4588

■ 17.7857, 9.6538,
47.9401

■ 50.5475, 54.5953,
54.8880

■ 16.0043, 7.8486,
47.6856

■ 57.3770, 64.8068,
56.4990

■ 14.6115, 6.6543,
47.5285

■ 64.8903, 76.1796,
58.2982

■ 13.9870, 6.1744,
47.4687

■ 73.1071, 88.7495,
60.2914

■ 76.5186, 91.4957,
60.6416

■ 79.4108, 92.9866,
60.7770

Harmonies

Analogous

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



25.1463, 24.5748, 59.5139



29.6395, 24.5748, 50.1950



32.6597, 24.5748, 35.4940

Triad

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



29.6395, 24.5748, 50.1950



26.2365, 24.5748, 9.3539



15.8020, 24.5748, 32.0724

Complementary

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



29.6395, 24.5748, 50.1950



34.4207, 43.7187, 25.0377

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.



16.0142, 24.5748, 19.5873



29.6395, 24.5748, 50.1950



21.6558, 24.5748, 8.9696

Square

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



29.6395, 24.5748, 50.1950



30.5262, 24.5748, 13.3647



18.0326, 24.5748, 12.0592



17.4096, 24.5748, 47.0022

Rectangle

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



29.6395, 24.5748, 50.1950



33.2220, 24.5748, 26.0983



18.0326, 24.5748, 12.0592



15.6691, 24.5748, 27.4283

Sweetspot

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



29.6403, 24.5758, 50.1955



73.9996, 73.5201, 94.4920



28.4560, 30.6454, 51.4295



15.9922, 15.7512, 20.7400



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.6403, 24.5758, 50.1955



47.6945, 36.7630, 88.7836



36.3078, 28.0263, 49.9044



9.4798, 9.4642, 11.9993



9.7210, 4.2974, 32.7100



0.4559, 0.2070, 1.2848

Inverse Universe

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



33.2035, 26.7846, 33.5576



55.3443, 41.5010, 53.2542



29.3775, 41.1110, 25.1541



9.7145, 9.6101, 10.8857



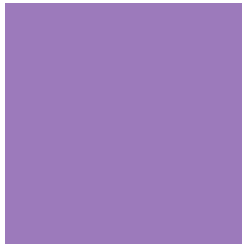
15.4040, 7.7928, 7.4210



0.6365, 0.3185, 0.4648

Previews

White Background



This preview shows how the XYZ color 29.6395, 24.5748, 50.1950 looks on a white background.

Color Contrast Check

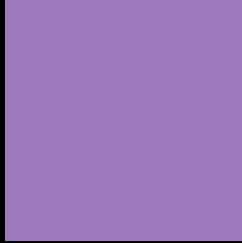
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6395, 24.5748, 50.1950 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 29.6395, 24.5748, 50.1950

Background



This preview shows how black text looks on a background with the XYZ color 29.6395, 24.5748, 50.1950.



This preview shows how white text looks on a background with the XYZ color 29.6395, 24.5748,

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

29.6395, 24.5748, 50.1950

Protanopia

25.6914, 24.7487, 55.6475

Deuteranopia

25.3081, 24.6906, 49.3308



Tritanopia

25.3184, 24.5452, 28.6026

Trichromacy



Original Color

29.6395, 24.5748, 50.1950

Protanomaly

26.9683, 24.6408, 53.7868

Deuteranomaly

26.6771, 24.5788, 49.7925

Tritanomaly

26.8396, 24.5824, 35.6780

Monochromacy



Original Color

29.6395, 24.5748, 50.1950

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.3274, 25.3204, 35.3980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6395, 24.5748, 50.1950 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(156, 122, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 122, 187) }
```

Border

The CSS property to change the border of an element to XYZ 29.6395, 24.5748, 50.1950 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, 187) }
```


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

```
.border{ border-color:rgb(156, 122, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 122, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 122, 187);  
box-shadow:4px 4px 4px 4px rgb(156, 122,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6395, 24.5748, 50.1950 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, 187) }
```

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

```
.background{ background-color: rgb(156,  
122, 187) }
```

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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