

Converting Colors

XYZ(29.3123, 23.8102, 50.2359)

Have a look what the booklet for
XYZ(29.3123, 23.8102, 50.2359)
contains.

| | |
|------------------------------------------------|----|
| XYZ(29.2768, 23.8494, 50.0741) | 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(29.2768, 23.8494,
50.0741)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 9C77BB |
| RGB | 156, 119, 187 |
| RGB Percent | 61%, 47%, 73% |
| CMY | 0.3882, 0.5333, 0.2667 |
| CMYK | 0.17, 0.36, 0.00, 0.27 |
| HSL | 273°, 33%, 60% |
| HSV | 273°, 36%, 73% |
| XYZ | 29.2768, 23.8494, 50.0741 |
| YIQ | 137.8150, 0.2240, 28.9920 |

Conversions

Conversions Part 2

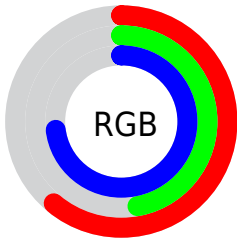
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 156, 119, 187 |
| Decimal | 10254267 |
| CIE Lab | 55.94, 27.60, -30.35 |
| CIE LCh | 56, 41.023, 312.288 |
| Yxy | 23.8494, 0.2837, 0.2311 |
| Android (android.graphics.Color) | 4288444347 (0xFF9C77BB) |
| YUV | 137.8150, 24.2482, 15.9482 |
| Hunter-Lab | 48.8358, 21.5470, -26.6082 |

Details

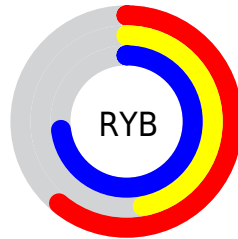
The XYZ color **29.2768, 23.8494, 50.0741** is a light color, and the websafe version is hex **996699**. A complement of this color would be **33.6784, 43.3571, 24.0474**, and the grayscale version is **23.9982, 25.2480, 27.4951**.

A 20% lighter version of the original color is **57.7942, 49.8250, 91.3651**, and **12.0173, 8.9573, 23.2859** is the 20% darker color. If you saturate the color by 10%, you get **25.6744, 19.0077, 49.3298**, and if you desaturate by 10%, it is **33.4345, 29.6285, 50.9708**.

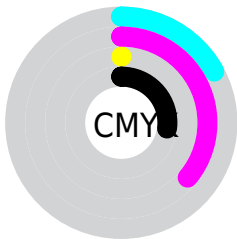
Distribution



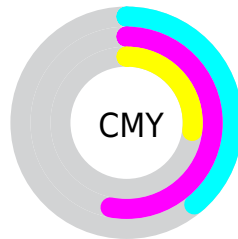
- Red (61%)
- Green (47%)
- Blue (73%)



- Red (61%)
- Yellow (47%)
- Blue (73%)



- Cyan (17%)
- Magenta (36%)
- Yellow (0%)
- Black (27%)



- Cyan (39%)
- Magenta (53%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2768, 23.8494, 50.0741 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 29.2768, 23.8494, 50.0741 by changing the saturation by 10% instead.

■ 29.2768, 23.8494,
50.0741

■ 29.2768, 23.8494,
50.0741

290.4894,
272.0582, 403.6990

■ 19.4356, 15.2219,
35.1007

■ 57.9111, 49.7843,
91.6821

■ 12.0914, 8.9753,
23.4563

■ 77.4350, 67.8606,
119.1538

■ 6.8786, 4.7251,
14.7223

■ 100.9171, 89.8553,
151.6286

■ 3.4319, 2.0869,
8.4803

128.7229,
116.1527, 189.5251

■ 1.3861, 0.6572,
4.3116

161.2176,
147.1373, 233.2619

■ 0.2463, 0.0000,
1.7978

198.7668,

■ 0.0000, 0.0000,

183.1935, 283.2574

0.4265

241.7356,
224.7057, 339.9303

■ 0.0000, 0.0000,
0.0000

■ 29.2768, 23.8494,
50.0741

■ 29.2768, 23.8494,
50.0741

■ 25.6744, 19.0077,
49.3298

■ 33.4345, 29.6285,
50.9708

■ 22.5966, 15.0476,
48.7277

■ 38.1710, 36.3905,
52.0264

■ 20.0135, 11.9118,
48.2585

■ 43.5114, 44.1817,
53.2488

■ 17.8902, 9.5348,
47.9116

■ 49.4784, 53.0442,
54.6449

■ 16.1869, 7.8406,
47.6744

■ 56.0935, 63.0180,
56.2214

■ 14.8519, 6.7299,
47.5304

■ 63.3772, 74.1409,
57.9844

■ 14.4211, 6.3982,
47.4890

■ 71.3488, 86.4489,
59.9400

■ 75.5327, 90.9874,
60.5955

■ 78.2448, 92.3855,
60.7224

Harmonies

Analogous

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



24.6374, 23.8494, 60.1576



29.2768, 23.8494, 50.0741



32.3643, 23.8494, 34.6224

Triad

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



29.2768, 23.8494, 50.0741



25.5170, 23.8494, 8.3438



14.9646, 23.8494, 31.8469

Complementary

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



29.2768, 23.8494, 50.0741



33.6784, 43.3571, 24.0474

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.



15.1323, 23.8494, 18.8912



29.2768, 23.8494, 50.0741



20.8067, 23.8494, 8.0513

Square

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



29.2768, 23.8494, 50.0741



29.9966, 23.8494, 12.2027



17.1373, 23.8494, 11.1899



16.6425, 23.8494, 47.4502

Rectangle

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



29.2768, 23.8494, 50.0741



32.8989, 23.8494, 24.9528



17.1373, 23.8494, 11.1899



14.8143, 23.8494, 27.0103

Sweetspot

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



29.2776, 23.8504, 50.0746



73.1846, 72.1740, 94.2751



27.6019, 29.5581, 51.2647



15.8316, 15.4788, 20.6959



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.



29.2776, 23.8504, 50.0746



46.9814, 35.3627, 88.5509



35.8198, 27.2508, 49.1240



9.4991, 9.4742, 12.0002



10.0203, 4.4517, 32.7240



0.4670, 0.2128, 1.2853

Inverse Universe

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



32.5960, 25.9613, 32.1479



54.1383, 39.9055, 50.3351



28.8464, 40.8502, 24.5405



9.7061, 9.6068, 10.8416



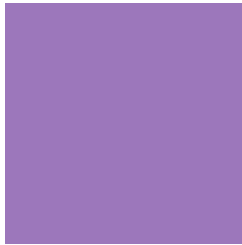
15.2924, 7.7481, 6.8331



0.6320, 0.3167, 0.4415

Previews

White Background



This preview shows how the XYZ color 29.2768, 23.8494, 50.0741 looks on a white background.

Color Contrast Check

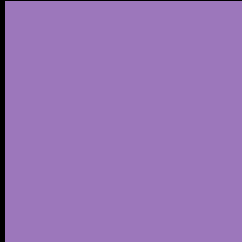
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2768, 23.8494, 50.0741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

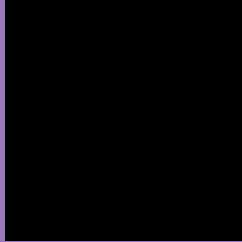
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.2768, 23.8494, 50.0741

Background



This preview shows how black text looks on a background with the XYZ color 29.2768, 23.8494, 50.0741.



This preview shows how white text looks on a background with the XYZ color 29.2768, 23.8494,

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

29.2768, 23.8494, 50.0741

Protanopia

25.0114, 23.9785, 56.1334

Deuteranopia

24.6470, 24.1577, 48.7113



Tritanopia

24.7232, 23.8605, 27.7286

Trichromacy



Original Color

29.2768, 23.8494, 50.0741

Protanomaly

26.1171, 23.6182, 53.6343

Deuteranomaly

25.9918, 23.8467, 49.1319

Tritanomaly

26.0969, 23.6468, 34.6413

Monochromacy



Original Color

29.2768, 23.8494, 50.0741

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.7941, 24.6526, 34.8514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2768, 23.8494, 50.0741 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, 119, 187)` looks like.

```
.text, #text, p{  
    color:rgb(156, 119, 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, 119, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 119, 187) }
```

Border

The CSS property to change the border of an element to XYZ 29.2768, 23.8494, 50.0741 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, 119, 187) }
```


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

```
.border{ border-color:rgb(156, 119, 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, 119, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 119, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 119, 187);  
box-shadow:4px 4px 4px 4px rgb(156, 119,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2768, 23.8494, 50.0741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 119, 187) }
```

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

```
.background{ background-color: rgb(156,  
119, 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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