

Converting Colors

XYZ(29.3078, 23.8846, 60.1922)

Have a look what the booklet for
XYZ(29.3078, 23.8846, 60.1922)
contains.

XYZ(29.2926, 23.8123, 60.1791)	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(29.2926, 23.8123,
60.1791)**

Conversions

Conversions Part 1

Format	Color
Hex	9178CC
RGB	145, 120, 204
RGB Percent	57%, 47%, 80%
CMY	0.4314, 0.5294, 0.2000
CMYK	0.29, 0.41, 0.00, 0.20
HSL	258°, 45%, 64%
HSV	258°, 41%, 80%
XYZ	29.2926, 23.8123, 60.1791
YIQ	137.0510, -12.0640, 31.4240

Conversions

Conversions Part 2

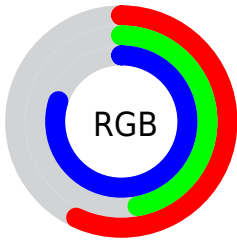
Format	Color
R_{YB}	145, 120, 204
Decimal	9533644
CIE _{Lab}	55.90, 27.82, -40.17
CIE _{LCh}	56, 48.863, 304.711
Yxy	23.8123, 0.2586, 0.2102
Android (android.graphics.Color)	4287723724 (0xFF9178CC)
YUV	137.0510, 33.0059, 6.9713
Hunter-Lab	48.7978, 21.7546, -38.9599

Details

The XYZ color **29.2926, 23.8123, 60.1791** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **43.5739, 54.1260, 25.9209**, and the grayscale version is **23.6803, 24.9136, 27.1309**.

A 20% lighter version of the original color is **57.0810, 49.5246, 101.1585**, and **12.0917, 8.9517, 29.5243** is the 20% darker color. If you saturate the color by 10%, you get **24.7280, 18.1973, 59.3363**, and if you desaturate by 10%, it is **34.7000, 30.6386, 61.2121**.

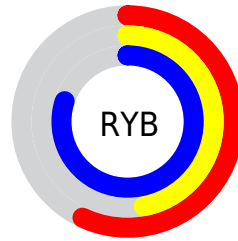
Distribution



Red (57%)

Green (47%)

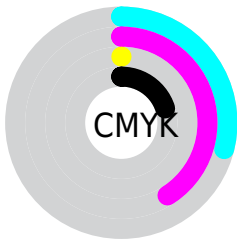
Blue (80%)



Red (57%)

Yellow (47%)

Blue (80%)

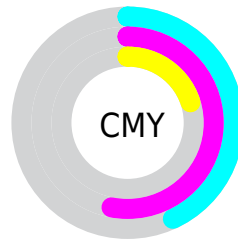


Cyan (29%)

Magenta (41%)

Yellow (0%)

Black (20%)



Cyan (43%)

Magenta (53%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2926, 23.8123, 60.1791 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 29.2926, 23.8123, 60.1791 by changing the saturation by 10% instead.

■ 29.2926, 23.8123,
60.1791

■ 29.2926, 23.8123,
60.1791

290.5624,
271.8702, 443.0806

■ 19.4477, 15.1944,
43.1368

■ 57.9360, 49.7237,
106.6353

■ 12.1001, 8.9560,
29.6602

■ 77.4652, 67.7861,
136.8863

■ 6.8846, 4.7125,
19.3310

■ 100.9531, 89.7654,
172.3773

■ 3.4357, 2.0796,
11.7305

128.7653,
116.0461, 213.5268

■ 1.3881, 0.6531,
6.4401

161.2669,
147.0125, 260.7533

■ 0.2478, 0.0000,
3.0414

198.8234,

■ 0.0000, 0.0000,

183.0490, 314.4754

1.1158

241.8001,
224.5401, 375.1117

■ 0.0000, 0.0000,
0.0000

■ 29.2926, 23.8123,
60.1791

■ 29.2926, 23.8123,
60.1791

■ 24.7280, 18.1973,
59.3363

■ 34.7000, 30.6386,
61.2121

■ 20.9583, 13.7176,
58.6703

■ 40.9894, 38.7401,
62.4444

■ 17.9344, 10.2931,
58.1687

■ 48.2004, 48.1798,
63.8864

■ 15.6003, 7.8313,
57.8165

■ 56.3695, 59.0153,
65.5473

■ 13.8906, 6.2229,
57.5962

■ 65.5311, 71.3011,
67.4358

■ 12.8062, 5.3428,
57.4835

■ 75.7178, 85.0886,
69.5602

■ 84.4208, 95.3465,
71.0814

■ 87.8992, 97.1397,
71.2442

Harmonies

Analogous

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



23.5235, 23.8123, 70.0587



29.2926, 23.8123, 60.1791



33.7577, 23.8123, 41.3540

Triad

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



29.2926, 23.8123, 60.1791



27.5210, 23.8123, 6.9123



13.5523, 23.8123, 28.5279

Complementary

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



29.2926, 23.8123, 60.1791



43.5739, 54.1260, 25.9209

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.



14.2677, 23.8123, 14.9118



29.2926, 23.8123, 60.1791



21.7650, 23.8123, 5.8033

Square

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



29.2926, 23.8123, 60.1791



32.6230, 23.8123, 12.0944



17.0678, 23.8123, 8.0087



14.9240, 23.8123, 47.5980

Rectangle

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



29.2926, 23.8123, 60.1791



35.0538, 23.8123, 28.8577



17.0678, 23.8123, 8.0087



13.5590, 23.8123, 23.2028

Sweetspot

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



29.2935, 23.8132, 60.1797



78.5835, 78.1557, 105.5515



35.0072, 41.0767, 63.2107



16.4670, 16.2642, 22.5213



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.2935, 23.8132, 60.1797



42.0261, 31.4401, 98.4613



37.8174, 28.2074, 60.5786



10.9104, 11.0031, 14.1191



8.1427, 3.4053, 36.1844



0.4971, 0.2154, 1.8703

Inverse Universe

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



39.7556, 29.5257, 46.2518



61.8595, 42.2907, 71.1029



35.4981, 49.9627, 25.5429



11.5398, 11.3446, 13.3769



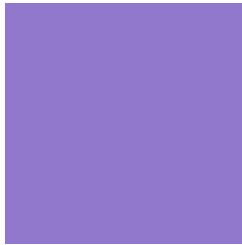
18.8503, 9.3507, 17.4622



1.0049, 0.4953, 1.0714

Previews

White Background



This preview shows how the XYZ color 29.2926, 23.8123, 60.1791 looks on a white background.

Color Contrast Check

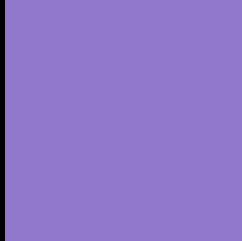
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2926, 23.8123, 60.1791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

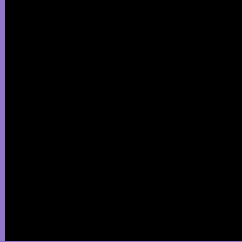
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.2926, 23.8123, 60.1791

Background



This preview shows how black text looks on a background with the XYZ color 29.2926, 23.8123, 60.1791.



This preview shows how white text looks on a background with the XYZ color 29.2926, 23.8123,

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

29.2926, 23.8123, 60.1791

Protanopia

25.7334, 23.9124, 66.8776

Deuteranopia

24.5237, 23.8757, 58.5743



Tritanopia

23.0944, 23.7752, 29.7574

Trichromacy



Original Color

29.2926, 23.8123, 60.1791

Protanomaly

26.6934, 23.6834, 64.1372

Deuteranomaly

25.8511, 23.5542, 59.0610

Tritanomaly

24.9186, 23.5099, 39.3009

Monochromacy



Original Color

29.2926, 23.8123, 60.1791

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.3645, 24.3813, 37.0874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2926, 23.8123, 60.1791 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(145, 120, 204)` looks like.

```
.text, #text, p{  
    color:rgb(145, 120, 204)  
}
```

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(145, 120, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 120, 204) }
```

Border

The CSS property to change the border of an element to XYZ 29.2926, 23.8123, 60.1791 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(145, 120, 204) }
```


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

```
.border{ border-color:rgb(145, 120, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 120, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 120, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 120, 204);  
box-shadow:4px 4px 4px 4px rgb(145, 120,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2926, 23.8123, 60.1791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 120, 204) }
```

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

```
.background{ background-color: rgb(145,  
120, 204) }
```

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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