

Converting Colors

XYZ(29.6982, 18.9426, 50.8062)

Have a look what the booklet for
XYZ(29.6982, 18.9426, 50.8062)
contains.

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Color

**XYZ(29.6982, 18.9426,
50.8062)**

Conversions

Conversions Part 1

Format	Color
Hex	AD54BE
RGB	173, 84, 190
RGB Percent	68%, 33%, 75%
CMY	0.3216, 0.6706, 0.2549
CMYK	0.09, 0.56, 0.00, 0.25
HSL	290°, 45%, 54%
HSV	290°, 56%, 75%
XYZ	29.6982, 18.9426, 50.8062
YIQ	122.6950, 19.0180, 51.8340

Conversions

Conversions Part 2

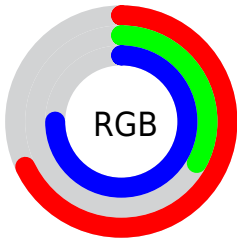
Format	Color
R_{YB}	173, 84, 190
Decimal	11359422
CIE _{Lab}	50.62, 52.13, -40.26
CIE _{LCh}	51, 65.870, 322.320
Yxy	18.9426, 0.2986, 0.1905
Android (android.graphics.Color)	4289549502 (0xFFAD54BE)
YUV	122.6950, 33.1814, 44.1175
Hunter-Lab	43.5231, 45.6349, -38.7453

Details

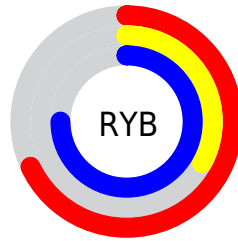
The XYZ color **29.6982, 18.9426, 50.8062** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **25.3811, 40.2341, 14.8165**, and the grayscale version is **18.6171, 19.5866, 21.3298**.

A 20% lighter version of the original color is **58.6892, 41.5956, 92.9312**, and **12.3545, 6.5079, 23.8975** is the 20% darker color. If you saturate the color by 10%, you get **27.7526, 16.0398, 50.3487**, and if you desaturate by 10%, it is **32.0605, 22.6548, 51.3985**.

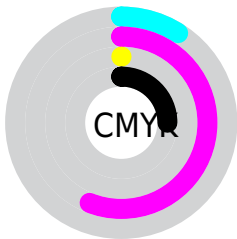
Distribution



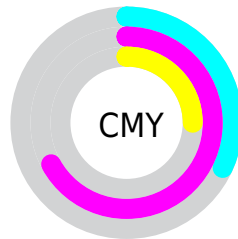
- Red (68%)
- Green (33%)
- Blue (75%)



- Red (68%)
- Yellow (33%)
- Blue (75%)



- Cyan (9%)
- Magenta (56%)
- Yellow (0%)
- Black (25%)



- Cyan (32%)
- Magenta (67%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6982, 18.9426, 50.8062 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 29.6982, 18.9426, 50.8062 by changing the saturation by 10% instead.

■ 29.6982, 18.9426,
50.8062

■ 29.6982, 18.9426,
50.8062

292.4303,
246.1317, 406.6354

■ 19.7566, 11.6288,
35.6787

■ 58.5745, 41.6371,
92.7768

■ 12.3254, 6.4915,
23.8985

■ 78.2398, 57.7866,
120.4570

■ 7.0395, 3.1462,
15.0468

■ 101.8771, 77.6501,
153.1586

■ 3.5334, 1.2085,
8.7053

■ 129.8517,
101.6120, 191.3000

■ 1.4417, 0.0686,
4.4553

■ 162.5290,
130.0567, 235.2999

■ 0.2856, 0.0000,
1.8783

200.2743,

■ 0.0000, 0.0000,

163.3686, 285.5767

0.4789

243.4529,
201.9322, 342.5490

■ 0.0000, 0.0000,
0.0000

■ 29.6982, 18.9426,
50.8062

■ 29.6982, 18.9426,
50.8062

■ 27.7526, 16.0398,
50.3487

■ 32.0605, 22.6548,
51.3985

■ 26.1883, 13.8774,
50.0138

■ 34.8669, 27.2329,
52.1343

■ 24.9674, 12.3795,
49.7890

■ 38.1450, 32.7312,
53.0228

■ 24.0416, 11.4492,
49.6582

■ 41.9193, 39.1987,
54.0722

■ 23.6977, 11.1430,
49.6173

■ 46.2127, 46.6811,
55.2901

■ 51.0467, 55.2210,
56.6837

■ 56.4415, 64.8588,
58.2597

■ 62.4161, 75.6325,
60.0243

■ 68.9875, 87.5757,
61.9832

Harmonies

Analogous

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



23.1316, 18.9426, 73.9441



29.6982, 18.9426, 50.8062



33.2861, 18.9426, 25.7401

Triad

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



29.6982, 18.9426, 50.8062



19.7115, 18.9426, 1.6591



8.8028, 18.9426, 37.2494

Complementary

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



29.6982, 18.9426, 50.8062



25.3811, 40.2341, 14.8165

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.



8.3054, 18.9426, 16.2373



29.6982, 18.9426, 50.8062



13.6969, 18.9426, 2.1345

Square

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



29.6982, 18.9426, 50.8062



26.6893, 18.9426, 3.3597



9.8710, 18.9426, 5.6503



11.4433, 18.9426, 63.3829

Rectangle

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



29.6982, 18.9426, 50.8062



33.0244, 18.9426, 13.9427



9.8710, 18.9426, 5.6503



8.4098, 18.9426, 29.1607

Sweetspot

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



29.6989, 18.9434, 50.8066



74.8873, 69.1752, 97.6843



17.6698, 15.0407, 50.6873



16.1289, 14.6468, 21.3623



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.6989, 18.9434, 50.8066



49.5813, 28.0518, 91.0804



30.2945, 19.6439, 33.0594



9.7756, 9.6167, 12.0132



15.8129, 7.4379, 32.9951



0.6603, 0.3124, 1.2944

Inverse Universe

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



26.7550, 18.2281, 14.4208



44.1880, 26.9031, 17.1079



25.4201, 40.0521, 23.9498



9.5909, 9.5607, 10.2347



14.2995, 7.3510, 1.6051



0.5800, 0.2959, 0.1675

Previews

White Background



This preview shows how the XYZ color 29.6982, 18.9426, 50.8062 looks on a white background.

Color Contrast Check

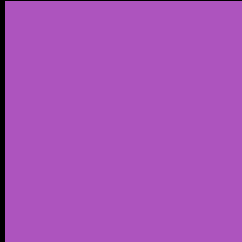
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6982, 18.9426, 50.8062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

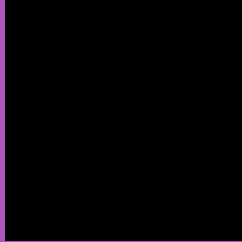
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6982, 18.9426, 50.8062

Background



This preview shows how black text looks on a background with the XYZ color 29.6982, 18.9426, 50.8062.



This preview shows how white text looks on a background with the XYZ color 29.6982, 18.9426,

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

29.6982, 18.9426, 50.8062

Protanopia

21.9838, 19.4425, 71.0007

Deuteranopia

19.5781, 19.0760, 47.4499



Tritanopia

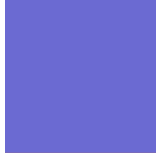
22.9792, 18.8570, 17.7579

Trichromacy



Original Color

29.6982, 18.9426, 50.8062



Protanomaly

22.8503, 18.0870, 63.2596



Deuteranomaly

22.0058, 18.1255, 48.7931



Tritanomaly

24.9447, 18.6583, 27.0976

Monochromacy



Original Color

29.6982, 18.9426, 50.8062



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

21.7196, 18.7066, 30.0697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6982, 18.9426, 50.8062 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(173, 84, 190)` looks like.

```
.text, #text, p{  
    color:rgb(173, 84, 190)  
}
```

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(173, 84, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 84, 190) }
```

Border

The CSS property to change the border of an element to XYZ 29.6982, 18.9426, 50.8062 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(173, 84, 190) }
```


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

```
.border{ border-color:rgb(173, 84, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 84, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 84, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 84, 190);  
box-shadow:4px 4px 4px 4px rgb(173, 84,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6982, 18.9426, 50.8062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 84, 190) }
```

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

```
.background{ background-color: rgb(173, 84,  
190) }
```

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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