

Converting Colors

XYZ(30.1473, 17.6568, 70.7852)

Have a look what the booklet for
XYZ(30.1473, 17.6568, 70.7852)
contains.

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Color

**XYZ(30.1308, 17.6451,
70.9250)**

Conversions

Conversions Part 1

Format	Color
Hex	A04ADE
RGB	160, 74, 222
RGB Percent	63%, 29%, 87%
CMY	0.3725, 0.7098, 0.1294
CMYK	0.28, 0.67, 0.00, 0.13
HSL	275°, 69%, 58%
HSV	275°, 67%, 87%
XYZ	30.1308, 17.6451, 70.9250
YIQ	116.5860, 3.7480, 64.2600

Conversions

Conversions Part 2

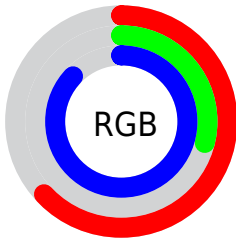
Format	Color
RYB	160, 74, 222
Decimal	10504926
CIELab	49.06, 60.48, -61.19
CIElCh	49, 86.040, 314.666
Yxy	17.6451, 0.2538, 0.1487
Android (android.graphics.Color)	4288695006 (0xFFA04ADE)
YUV	116.5860, 51.9691, 38.0741
Hunter-Lab	42.0061, 54.5268, -70.7037

Details

The XYZ color **30.1308, 17.6451, 70.9250** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **37.5109, 57.9715, 15.6916**, and the grayscale version is **16.6255, 17.4914, 19.0481**.

A 20% lighter version of the original color is **54.6826, 37.5638, 98.9762**, and **12.5961, 5.8761, 36.5467** is the 20% darker color. If you saturate the color by 10%, you get **27.1115, 14.2633, 70.4317**, and if you desaturate by 10%, it is **33.8135, 22.1453, 71.5999**.

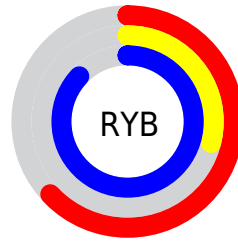
Distribution



Red (63%)

Green (29%)

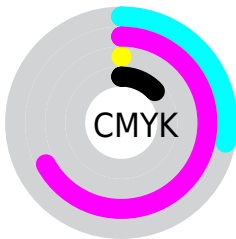
Blue (87%)



Red (63%)

Yellow (29%)

Blue (87%)

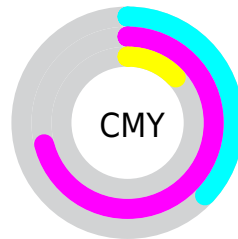


Cyan (28%)

Magenta (67%)

Yellow (0%)

Black (13%)



Cyan (37%)


Magenta (71%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1308, 17.6451, 70.9250 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 30.1308, 17.6451, 70.9250 by changing the saturation by 10% instead.


 30.1308, 17.6451,
70.9250


 30.1308, 17.6451,
70.9250

294.4126,
238.8630, 482.6678


 20.0865, 10.6955,
51.7995


 59.2542, 39.4316,
122.2204


 12.5665, 5.8625,
36.4642


 79.0639, 55.0374,
155.2274

 7.2057, 2.7616,
24.5004


 102.8595, 74.2973,
193.6987

 3.6385, 1.0086,
15.4896

 131.0063, 97.5957,
238.0527

 1.4997, 0.0000,
9.0133

 163.8696,
125.3171, 288.7081

 0.3257, 0.0000,
4.6529

201.8149,

 0.0000, 0.0000,

157.8459, 346.0834

1.9899

245.2074,
195.5663, 410.5971

■ 0.0000, 0.0000,
0.5491

■ 0.0000, 0.0000,
0.0000

■ 30.1308, 17.6451,
70.9250

■ 30.1308, 17.6451,
70.9250

■ 27.1115, 14.2633,
70.4317

■ 33.8135, 22.1453,
71.5999

■ 24.6923, 11.8806,
70.0993

■ 38.2095, 27.8623,
72.4717

■ 22.7971, 10.3485,
69.9035

■ 43.3663, 34.8858,
73.5555

■ 22.2385, 9.9413,
69.8543

■ 49.3260, 43.2960,
74.8648

56.1276, 53.1669,
76.4115

63.8073, 64.5668,
78.2072

72.3988, 77.5598,
80.2623

81.9344, 92.2062,
82.5867

86.1495, 95.9736,
83.0918

Harmonies

Analogous

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



20.9906, 17.6451, 101.5638



30.1308, 17.6451, 70.9250



36.4968, 17.6451, 33.4352

Triad

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



30.1308, 17.6451, 70.9250



21.1935, 17.6451, 0.1128



5.8316, 17.6451, 32.7190

Complementary

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



30.1308, 17.6451, 70.9250



37.5109, 57.9715, 15.6916

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.



5.8547, 17.6451, 9.7325



30.1308, 17.6451, 70.9250



13.1588, 17.6451, 0.0947

Square

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



30.1308, 17.6451, 70.9250



30.3195, 17.6451, 1.8801



8.0920, 17.6451, 1.8037



8.0139, 17.6451, 70.0568

Rectangle

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



30.1308, 17.6451, 70.9250



37.3402, 17.6451, 15.8363



8.0920, 17.6451, 1.8037



5.6111, 17.6451, 23.0373

Sweetspot

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



30.1316, 17.6458, 70.9254



73.4550, 67.8365, 103.8300



25.1170, 24.9457, 72.5987



15.1573, 13.6996, 22.0954



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.



30.1316, 17.6458, 70.9254



35.7126, 18.0828, 96.2158



44.4739, 25.1878, 64.8937



13.7112, 13.6347, 17.2968



13.3386, 5.9716, 41.4980



1.0259, 0.4662, 2.8812

Inverse Universe

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



37.0173, 22.2052, 25.6277



46.9004, 25.4183, 25.8977



30.5408, 54.3368, 17.2391



13.9442, 13.7953, 15.4765



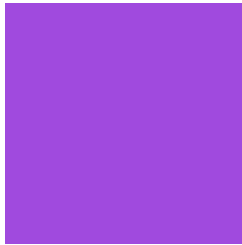
19.1194, 9.7148, 7.2944



1.3692, 0.6909, 0.7369

Previews

White Background



This preview shows how the XYZ color 30.1308, 17.6451, 70.9250 looks on a white background.

Color Contrast Check

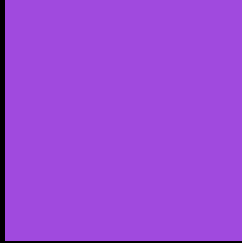
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.1308, 17.6451, 70.9250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

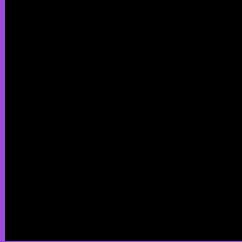
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.1308, 17.6451, 70.9250

Background



This preview shows how black text looks on a background with the XYZ color 30.1308, 17.6451, 70.9250.



This preview shows how white text looks on a background with the XYZ color 30.1308, 17.6451,

70.9250.

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

30.1308, 17.6451, 70.9250

Protanopia

21.4851, 18.0422, 84.0115

Deuteranopia

18.2297, 17.8468, 63.4567



Tritanopia

19.5654, 17.5271, 18.8749

Trichromacy



Original Color

30.1308, 17.6451, 70.9250



Protanomaly

20.9147, 15.7064, 79.0201



Deuteranomaly

18.7328, 15.4551, 65.6141



Tritanomaly

22.4030, 16.9405, 33.0994

Monochromacy



Original Color

30.1308, 17.6451, 70.9250



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

20.2429, 16.6605, 33.1592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1308, 17.6451, 70.9250 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(160, 74, 222)` looks like.

```
.text, #text, p{  
    color:rgb(160, 74, 222)  
}
```

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(160, 74, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 74, 222) }
```

Border

The CSS property to change the border of an element to XYZ 30.1308, 17.6451, 70.9250 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(160, 74, 222) }
```


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

```
.border{ border-color:rgb(160, 74, 222) }
```

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

Here you see how a box with a 4 pixel rgb(160, 74, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 74, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 74, 222);  
box-shadow:4px 4px 4px 4px rgb(160, 74,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1308, 17.6451, 70.9250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 74, 222) }
```

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

```
.background{ background-color: rgb(160, 74,  
222) }
```

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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