

Converting Colors

XYZ(30.4020, 17.8903, 71.0738)

Have a look what the booklet for
XYZ(30.4020, 17.8903, 71.0738)
contains.

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Color

**XYZ(30.3988, 17.8831,
70.9568)**

Conversions

Conversions Part 1

Format	Color
Hex	A14BDE
RGB	161, 75, 222
RGB Percent	63%, 29%, 87%
CMY	0.3686, 0.7059, 0.1294
CMYK	0.27, 0.66, 0.00, 0.13
HSL	275°, 69%, 58%
HSV	275°, 66%, 87%
XYZ	30.3988, 17.8831, 70.9568
YIQ	117.4720, 4.0690, 63.9490

Conversions

Conversions Part 2

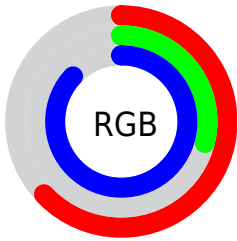
Format	Color
RYB	161, 75, 222
Decimal	10570718
CIELab	49.35, 60.24, -60.72
CIElCh	49, 85.528, 314.772
Yxy	17.8831, 0.2549, 0.1500
Android (android.graphics.Color)	4288760798 (0xFFA14BDE)
YUV	117.4720, 51.5323, 38.1741
Hunter-Lab	42.2884, 54.3090, -69.8823

Details

The XYZ color **30.3988, 17.8831, 70.9568** 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 **37.5448, 57.9850, 15.8704**, and the grayscale version is **16.8997, 17.7798, 19.3622**.

A 20% lighter version of the original color is **55.1137, 37.9806, 99.0339**, and **12.7358, 5.9841, 36.5602** is the 20% darker color. If you saturate the color by 10%, you get **27.3587, 14.4574, 70.4561**, and if you desaturate by 10%, it is **34.1023, 22.4308, 71.6397**.

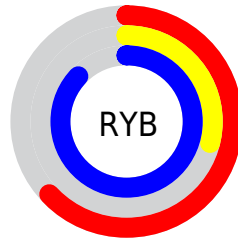
Distribution



Red (63%)

Green (29%)

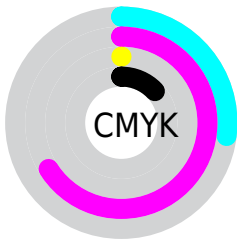
Blue (87%)



Red (63%)

Yellow (29%)

Blue (87%)

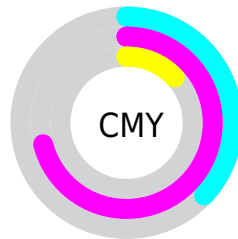


Cyan (27%)

Magenta (66%)

Yellow (0%)

Black (13%)



Cyan (37%)

Magenta (71%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3988, 17.8831, 70.9568 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 30.3988, 17.8831, 70.9568 by changing the saturation by 10% instead.

30.3988, 17.8831,
70.9568

30.3988, 17.8831,
70.9568

295.6355,
240.2113, 482.7820

20.2911, 10.8661,
51.8253

59.6746, 39.8380,
122.2661

12.7163, 5.9769,
36.4846

79.5734, 55.5447,
155.2810

7.3091, 2.8310,
24.5160

103.4665, 74.9168,
193.7608

3.7042, 1.0442,
15.5011

131.7194, 98.3386,
238.1240

1.5362, 0.0000,
9.0213

164.6974,
126.1946, 288.7892

0.3503, 0.0000,
4.6581

202.7659,

0.0000, 0.0000,

158.8691, 346.1749

1.9929

246.2901,
196.7465, 410.6996

■ 0.0000, 0.0000,
0.5509

■ 0.0000, 0.0000,
0.0000

■ 30.3988, 17.8831,
70.9568

■ 30.3988, 17.8831,
70.9568

■ 27.3587, 14.4574,
70.4561

■ 34.1023, 22.4308,
71.6397

■ 24.9194, 12.0354,
70.1172

■ 38.5189, 28.1982,
72.5202

■ 23.0070, 10.4728,
69.9164

■ 43.6956, 35.2745,
73.6132

■ 22.3724, 10.0103,
69.8606

■ 49.6744, 43.7397,
74.9320

■ 56.4940, 53.6672,
76.4888

■ 64.1903, 65.1253,
78.2948

■ 72.7972, 78.1778,
80.3605

■ 82.3464, 92.8848,
82.6960

■ 86.2222, 96.0111,
83.0952

Harmonies

Analogous

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



21.2583, 17.8831, 101.5108



30.3988, 17.8831, 70.9568



36.7393, 17.8831, 33.5941

Triad

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



30.3988, 17.8831, 70.9568



21.3968, 17.8831, 0.1796



5.9920, 17.8831, 33.1059

Complementary

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



30.3988, 17.8831, 70.9568



37.5448, 57.9850, 15.8704

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.



6.0079, 17.8831, 9.9930



30.3988, 17.8831, 70.9568



13.3476, 17.8831, 0.1672

Square

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



30.3988, 17.8831, 70.9568



30.5274, 17.8831, 1.9631



8.2590, 17.8831, 1.9095



8.2053, 17.8831, 70.3672

Rectangle

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



30.3988, 17.8831, 70.9568



37.5644, 17.8831, 16.0111



8.2590, 17.8831, 1.9095



5.7663, 17.8831, 23.3980

Sweetspot

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



30.3996, 17.8838, 70.9572



73.5212, 67.8706, 103.8331



24.9263, 24.4491, 72.5129



15.1732, 13.7078, 22.0961



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.



30.3996, 17.8838, 70.9572



36.2318, 18.5204, 96.2729



44.2424, 25.2028, 63.3428



13.7166, 13.6374, 17.2970



13.4180, 6.0126, 41.5017



1.0312, 0.4689, 2.8814

Inverse Universe

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



37.0845, 22.3397, 25.6499



47.0639, 25.6669, 26.1943



30.7538, 54.4310, 17.9562



13.9419, 13.7944, 15.4643



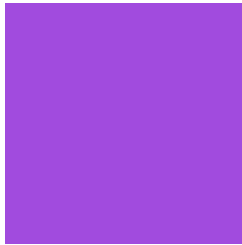
19.0962, 9.7055, 7.1722



1.3675, 0.6903, 0.7279

Previews

White Background



This preview shows how the XYZ color 30.3988, 17.8831, 70.9568 looks on a white background.

Color Contrast Check

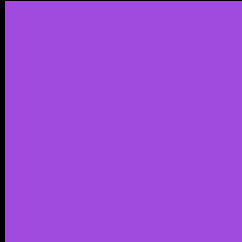
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3988, 17.8831, 70.9568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

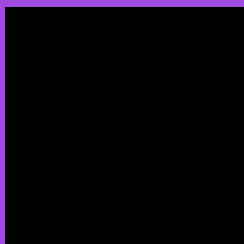
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.3988, 17.8831, 70.9568

Background



This preview shows how black text looks on a background with the XYZ color 30.3988, 17.8831, 70.9568.



This preview shows how white text looks on a background with the XYZ color 30.3988, 17.8831,

70.9568.

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

30.3988, 17.8831, 70.9568

Protanopia

21.6333, 18.1015, 84.7918

Deuteranopia

18.6001, 18.1864, 64.8173



Tritanopia

19.8426, 17.8257, 18.9179

Trichromacy



Original Color

30.3988, 17.8831, 70.9568



Protanomaly

20.9735, 15.7367, 79.0229



Deuteranomaly

19.1486, 15.7883, 67.0040



Tritanomaly

22.6769, 17.2163, 33.1382

Monochromacy



Original Color

30.3988, 17.8831, 70.9568



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

20.3406, 16.8558, 33.1918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3988, 17.8831, 70.9568 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(161, 75, 222)` looks like.

```
.text, #text, p{  
  color:rgb(161, 75, 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(161, 75, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 75, 222) }
```

Border

The CSS property to change the border of an element to XYZ 30.3988, 17.8831, 70.9568 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(161, 75, 222) }
```


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

```
.border{ border-color:rgb(161, 75, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 75, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 75, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 75, 222);  
box-shadow:4px 4px 4px 4px rgb(161, 75,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3988, 17.8831, 70.9568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 75, 222) }
```

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

```
.background{ background-color: rgb(161, 75,  
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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