

Converting Colors

XYZ(30.6684, 22.7774, 51.4829)

Have a look what the booklet for
XYZ(30.6684, 22.7774, 51.4829)
contains.

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Color

**XYZ(30.6993, 22.8705,
51.5116)**

Conversions

Conversions Part 1

Format	Color
Hex	A76DBE
RGB	167, 109, 190
RGB Percent	65%, 43%, 75%
CMY	0.3451, 0.5725, 0.2549
CMYK	0.12, 0.43, 0.00, 0.25
HSL	283°, 38%, 59%
HSV	283°, 43%, 75%
XYZ	30.6993, 22.8705, 51.5116
YIQ	135.5760, 8.5670, 37.4870

Conversions

Conversions Part 2

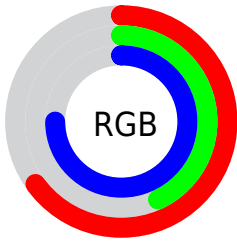
Format	Color
R _Y B	167, 109, 190
Decimal	10972606
CIE Lab	54.94, 37.29, -33.53
CIE LCh	55, 50.147, 318.035
Yxy	22.8705, 0.2921, 0.2176
Android (android.graphics.Color)	4289162686 (0xFFA76DBE)
YUV	135.5760, 26.8310, 27.5588
Hunter-Lab	47.8231, 30.8948, -30.3867

Details

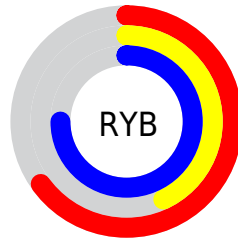
The XYZ color **30.6993, 22.8705, 51.5116** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **30.6902, 42.8371, 21.1198**, and the grayscale version is **23.1450, 24.3503, 26.5175**.

A 20% lighter version of the original color is **60.1403, 48.2440, 94.1380**, and **12.8180, 8.4162, 24.2415** is the 20% darker color. If you saturate the color by 10%, you get **27.7714, 18.6709, 50.8557**, and if you desaturate by 10%, it is **34.1145, 27.9726, 52.3168**.

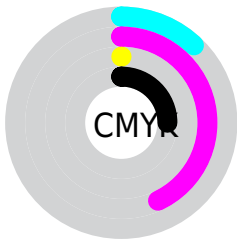
Distribution



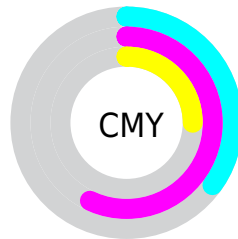
- Red (65%)
- Green (43%)
- Blue (75%)



- Red (65%)
- Yellow (43%)
- Blue (75%)



- Cyan (12%)
- Magenta (43%)
- Yellow (0%)
- Black (25%)



- Cyan (35%)
- Magenta (57%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6993, 22.8705, 51.5116 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 30.6993, 22.8705, 51.5116 by changing the saturation by 10% instead.

30.6993, 22.8705,
51.5116

30.6993, 22.8705,
51.5116

297.0023,
267.0592, 409.4514

20.5207, 14.4979,
36.2364

60.1454, 48.1806,
93.8298

12.8846, 8.4678,
24.3257

80.1436, 65.8869,
121.7098

7.4255, 4.3957,
15.3609

104.1457, 87.4732,
154.6286

3.7783, 1.8973,
8.9237

132.5171,
113.3240, 193.0045

1.5775, 0.5467,
4.5953

165.6231,
143.8236, 237.2562

0.3777, 0.0000,
1.9573

203.8290,

0.0000, 0.0000,

179.3564, 287.8022

0.5288

247.5003,
220.3068, 345.0611

■ 0.0000, 0.0000,
0.0000

■ 30.6993, 22.8705,
51.5116

■ 30.6993, 22.8705,
51.5116

■ 27.7714, 18.6709,
50.8557

■ 34.1145, 27.9726,
52.3168

■ 25.2992, 15.3137,
50.3380

■ 38.0410, 34.0267,
53.2784

■ 23.2510, 12.7358,
49.9483

■ 42.5041, 41.0817,
54.4049

■ 21.5899, 10.8638,
49.6746

■ 47.5267, 49.1826,
55.7038

■ 20.2712, 9.6097,
49.5020

■ 53.1303, 58.3715,
57.1821

■ 19.4560, 8.9562,
49.4188

■ 59.3350, 68.6882,
58.8464

■ 66.1601, 80.1703,
60.7029

■ 71.6787, 88.9631,
62.1093

■ 73.2424, 89.7692,
62.1824

Harmonies

Analogous

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



25.2199, 22.8705, 66.8571



30.6993, 22.8705, 51.5116



33.9688, 22.8705, 31.8068

Triad

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



30.6993, 22.8705, 51.5116



24.0311, 22.8705, 5.3494



13.0716, 22.8705, 35.6400

Complementary

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



30.6993, 22.8705, 51.5116



30.6902, 42.8371, 21.1198

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.



12.8639, 22.8705, 19.0767



30.6993, 22.8705, 51.5116



18.5918, 22.8705, 5.6562

Square

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



30.6993, 22.8705, 51.5116



29.7021, 22.8705, 8.3647



14.7157, 22.8705, 9.5228



15.3418, 22.8705, 55.3260

Rectangle

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



30.6993, 22.8705, 51.5116



34.1406, 22.8705, 20.8612



14.7157, 22.8705, 9.5228



12.7743, 22.8705, 29.4338

Sweetspot

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



30.7001, 22.8715, 51.5121



76.5263, 73.6522, 98.4621



24.0305, 23.8272, 52.0481



16.3911, 15.5153, 21.5161



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.



30.7001, 22.8715, 51.5121



50.7208, 34.3882, 92.2434



34.3250, 24.9335, 42.9464



9.6588, 9.5565, 12.0077



13.0171, 5.9966, 32.8643



0.5710, 0.2664, 1.2902

Inverse Universe

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



30.8694, 23.5513, 24.7494



51.4308, 35.9967, 36.1449



28.4353, 41.5645, 25.9941



9.6386, 9.5797, 10.4857



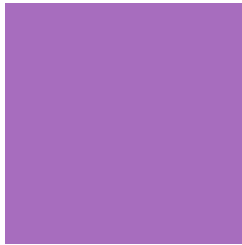
14.5918, 7.4679, 3.1441



0.6007, 0.3042, 0.2766

Previews

White Background



This preview shows how the XYZ color 30.6993, 22.8705, 51.5116 looks on a white background.

Color Contrast Check

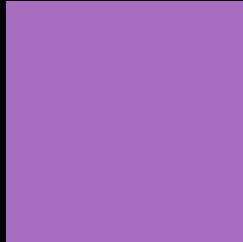
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6993, 22.8705, 51.5116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

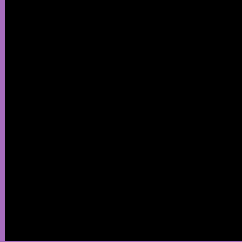
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.6993, 22.8705, 51.5116

Background



This preview shows how black text looks on a background with the XYZ color 30.6993, 22.8705, 51.5116.



This preview shows how white text looks on a background with the XYZ color 30.6993, 22.8705,

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

30.6993, 22.8705, 51.5116

Protanopia

24.7063, 23.0891, 62.1860

Deuteranopia

23.5276, 22.9552, 49.6451



Tritanopia

25.1568, 22.8269, 24.5528

Trichromacy



Original Color

30.6993, 22.8705, 51.5116

Protanomaly

26.1063, 22.5717, 58.2392

Deuteranomaly

25.4449, 22.4125, 49.9987

Tritanomaly

26.7267, 22.5666, 32.6529

Monochromacy



Original Color

30.6993, 22.8705, 51.5116

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.4942, 23.5251, 34.6496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6993, 22.8705, 51.5116 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(167, 109, 190)` looks like.

```
.text, #text, p{  
    color:rgb(167, 109, 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(167, 109, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 109, 190) }
```

Border

The CSS property to change the border of an element to XYZ 30.6993, 22.8705, 51.5116 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(167, 109, 190) }
```


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

```
.border{ border-color:rgb(167, 109, 190) }
```

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

Here you see how a box with a 4 pixel rgb(167, 109, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 109, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 109, 190);  
box-shadow:4px 4px 4px 4px rgb(167, 109,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6993, 22.8705, 51.5116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 109, 190) }
```

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

```
.background{ background-color: rgb(167,  
109, 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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