

Converting Colors

XYZ(30.0844, 21.7059, 36.7868)

Have a look what the booklet for
XYZ(30.0844, 21.7059, 36.7868)
contains.

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Color

**XYZ(29.9977, 21.6193,
36.7743)**

Conversions

Conversions Part 1

Format	Color
Hex	B465A2
RGB	180, 101, 162
RGB Percent	71%, 40%, 64%
CMY	0.2941, 0.6039, 0.3647
CMYK	0.00, 0.44, 0.10, 0.29
HSL	314°, 34%, 55%
HSV	314°, 44%, 71%
XYZ	29.9977, 21.6193, 36.7743
YIQ	131.5750, 27.5030, 35.7190

Conversions

Conversions Part 2

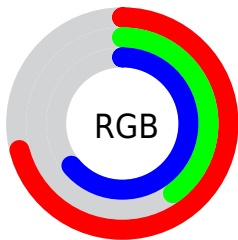
Format	Color
RYB	180, 101, 162
Decimal	11822498
CIELab	53.62, 40.33, -19.25
CIELCh	54, 44.691, 334.492
Yxy	21.6193, 0.3394, 0.2446
Android (android.graphics.Color)	4290012578 (0xFFB465A2)
YUV	131.5750, 14.9995, 42.4687
Hunter-Lab	46.4966, 33.7920, -14.3451

Details

The XYZ color **29.9977, 21.6193, 36.7743** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.0189, 36.7419, 23.2276**, and the grayscale version is **21.7208, 22.8520, 24.8858**.

A 20% lighter version of the original color is **59.0050, 46.1255, 71.4388**, and **12.4125, 7.7670, 15.5968** is the 20% darker color. If you saturate the color by 10%, you get **28.0791, 18.3557, 34.3653**, and if you desaturate by 10%, it is **32.3123, 25.6551, 39.3744**.

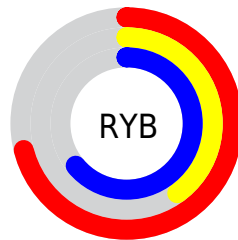
Distribution



Red (71%)

Green (40%)

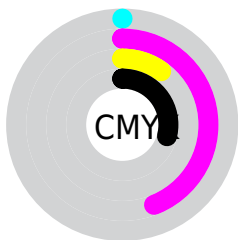
Blue (64%)



Red (71%)

Yellow (40%)

Blue (64%)

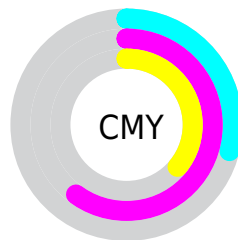


Cyan (0%)

Magenta (44%)

Yellow (10%)

Black (29%)



Cyan (29%)

Magenta (60%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9977, 21.6193, 36.7743 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 29.9977, 21.6193, 36.7743 by changing the saturation by 10% instead.

 29.9977, 21.6193,
36.7743


 29.9977, 21.6193,
36.7743

293.8037,
260.5517, 347.4716


 19.9849, 13.5774,
24.7384


 59.0452, 46.1160,
71.4080


 12.4923, 7.8274,
15.6650


 78.8106, 63.3396,
94.8428

 7.1544, 3.9847,
9.1356


 102.5576, 84.3925,
122.9143

 3.6061, 1.6650,
4.7317

 130.6515,
109.6593, 156.0411

 1.4818, 0.4008,
2.0348

163.4578,
139.5241, 194.6417

 0.3134, 0.0000,
0.5765

201.3416,

 0.0000, 0.0000,

174.3716, 239.1346

0.0000

244.6685,
214.5860, 289.9384

■ 29.9977, 21.6193,
36.7743

■ 29.9977, 21.6193,
36.7743

■ 28.0791, 18.3557,
34.3653

■ 32.3123, 25.6551,
39.3744

■ 26.5290, 15.8108,
32.1370

■ 35.0439, 30.5061,
42.1726

■ 25.3199, 13.9290,
30.0800

■ 38.2146, 36.2156,
45.1768

■ 24.4189, 12.6451,
28.1827

■ 41.8439, 42.8231,
48.3943

■ 23.7868, 11.8806,
26.4315

■ 45.9507, 50.3656,
51.8316

■ 23.4818, 11.5671,
25.4155

■ 50.5523, 58.8780,
55.4953

■ 55.6654, 68.3933,
59.3913

■ 61.3058, 78.9431,
63.5254

■ 64.8815, 85.3430,
67.0341

Harmonies

Analogous

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



26.1982, 21.6193, 52.5397



29.9977, 21.6193, 36.7743



31.1268, 21.6193, 21.5398

Triad

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



29.9977, 21.6193, 36.7743



19.8378, 21.6193, 5.8534



13.8727, 21.6193, 41.7888

Complementary

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



29.9977, 21.6193, 36.7743



25.0189, 36.7419, 23.2276

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.



12.6878, 21.6193, 25.6598



29.9977, 21.6193, 36.7743



15.7757, 21.6193, 7.8391

Square

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



29.9977, 21.6193, 36.7743



24.7609, 21.6193, 6.8907



13.3266, 21.6193, 13.9357



16.8432, 21.6193, 56.1359

Rectangle

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



29.9977, 21.6193, 36.7743



30.0863, 21.6193, 14.2356



13.3266, 21.6193, 13.9357



13.2752, 21.6193, 36.2087

Sweetspot

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



29.9984, 21.6203, 36.7747



69.7013, 66.4104, 82.2896



20.3800, 16.4635, 45.2842



14.7761, 13.8308, 17.5205



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.9984, 21.6203, 36.7747



50.9064, 33.2719, 62.3024



27.0762, 20.4514, 21.3865



8.7655, 8.6129, 10.2637



16.4150, 8.0836, 17.8773



0.5369, 0.2625, 0.6698

Inverse Universe

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



29.9984, 21.6203, 36.7747



50.9064, 33.2719, 62.3024



27.8276, 37.8654, 38.0180



8.7655, 8.6129, 10.2637



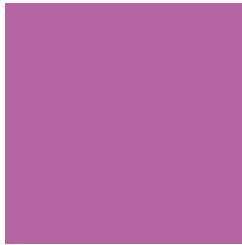
16.4150, 8.0836, 17.8773



0.5369, 0.2625, 0.6698

Previews

White Background



This preview shows how the XYZ color 29.9977, 21.6193, 36.7743 looks on a white background.

Color Contrast Check

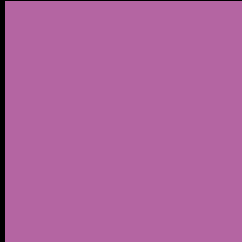
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9977, 21.6193, 36.7743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

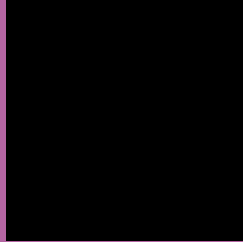
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9977, 21.6193, 36.7743

Background



This preview shows how black text looks on a background with the XYZ color 29.9977, 21.6193, 36.7743.



This preview shows how white text looks on a background with the XYZ color 29.9977, 21.6193,

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

29.9977, 21.6193, 36.7743

Protanopia

22.6120, 21.9597, 46.7629

Deuteranopia

22.2366, 21.8260, 35.3886



Tritanopia

26.5251, 21.5738, 19.9057

Trichromacy



Original Color

29.9977, 21.6193, 36.7743

Protanomaly

24.4349, 21.3312, 42.8739

Deuteranomaly

24.4734, 21.3368, 35.6294

Tritanomaly

27.6922, 21.5837, 25.2608

Monochromacy



Original Color

29.9977, 21.6193, 36.7743

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.1897, 22.0475, 28.9673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9977, 21.6193, 36.7743 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(180, 101, 162)` looks like.

```
.text, #text, p{  
    color:rgb(180, 101, 162)  
}
```

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(180, 101, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 101, 162) }
```

Border

The CSS property to change the border of an element to XYZ 29.9977, 21.6193, 36.7743 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(180, 101, 162) }
```


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

```
.border{ border-color:rgb(180, 101, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 101, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 101, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 101, 162);  
box-shadow:4px 4px 4px 4px rgb(180, 101,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9977, 21.6193, 36.7743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 101, 162) }
```

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

```
.background{ background-color: rgb(180,  
101, 162) }
```

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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