

Converting Colors

XYZ(30.7227, 23.3645, 45.9155)

Have a look what the booklet for
XYZ(30.7227, 23.3645, 45.9155)
contains.

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Color

**XYZ(30.7172, 23.3221,
46.0627)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6FB4
RGB	171, 111, 180
RGB Percent	67%, 44%, 71%
CMY	0.3294, 0.5647, 0.2941
CMYK	0.05, 0.38, 0.00, 0.29
HSL	292°, 32%, 57%
HSV	292°, 38%, 71%
XYZ	30.7172, 23.3221, 46.0627
YIQ	136.8060, 13.6110, 34.1790

Conversions

Conversions Part 2

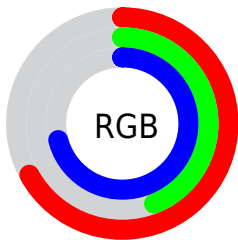
Format	Color
R_{YB}	171, 111, 180
Decimal	11235252
CIE Lab	55.40, 35.35, -27.03
CIE LCh	55, 44.504, 322.599
Yxy	23.3221, 0.3069, 0.2330
Android (android.graphics.Color)	4289425332 (0xFFAB6FB4)
YUV	136.8060, 21.2946, 29.9881
Hunter-Lab	48.2930, 29.0240, -22.7468

Details

The XYZ color **30.7172, 23.3221, 46.0627** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.9371, 37.7839, 20.9134**, and the grayscale version is **23.6240, 24.8542, 27.0663**.

A 20% lighter version of the original color is **60.0943, 48.9379, 85.6355**, and **12.8356, 8.6517, 21.0721** is the 20% darker color. If you saturate the color by 10%, you get **28.4409, 19.5214, 45.4494**, and if you desaturate by 10%, it is **33.3999, 27.9210, 46.8093**.

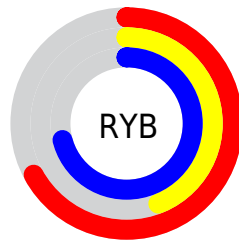
Distribution



Red (67%)

Green (44%)

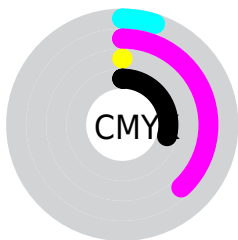
Blue (71%)



Red (67%)

Yellow (44%)

Blue (71%)

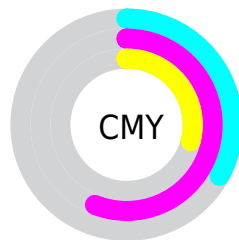


Cyan (5%)

Magenta (38%)

Yellow (0%)

Black (29%)



Cyan (33%)


Magenta (56%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7172, 23.3221, 46.0627 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 30.7172, 23.3221, 46.0627 by changing the saturation by 10% instead.

 30.7172, 23.3221,
46.0627


 30.7172, 23.3221,
46.0627


297.0835,
269.3751, 387.3456


 20.5344, 14.8315,
31.9463

 60.1734, 48.9217,
85.6481


 12.8946, 8.7012,
21.0560


 80.1775, 66.7995,
111.9542

 7.4325, 4.5468,
12.9733


 104.1861, 88.5751,
143.1605

 3.7827, 1.9839,
7.2796

 132.5645,
114.6330, 179.6857

 1.5800, 0.5981,
3.5565

165.6781,
145.3576, 221.9482

 0.3793, 0.0000,
1.3853

203.8922,

 0.0000, 0.0000,

181.1332, 270.3667

0.1302

247.5723,
222.3442, 325.3596

■ 0.0000, 0.0000,
0.0000

■ 30.7172, 23.3221,
46.0627

■ 30.7172, 23.3221,
46.0627

■ 28.4409, 19.5214,
45.4494

■ 33.3999, 27.9210,
46.8093

■ 26.5446, 16.4680,
44.9600

■ 36.5087, 33.3588,
47.6951

■ 25.0027, 14.1099,
44.5861

■ 40.0645, 39.6774,
48.7273

■ 23.7850, 12.3872,
44.3178

■ 44.0866, 46.9145,
49.9122

■ 22.8566, 11.2295,
44.1432

■ 48.5927, 55.1061,
51.2558

■ 22.1587, 10.5200,
44.0431

■ 53.5998, 64.2859,
52.7638

■ 22.0498, 10.4154,
44.0286

■ 59.1242, 74.4862,
54.4415

■ 65.1796, 85.7347,
56.2935

■ 65.7699, 86.0390,
56.3212

Harmonies

Analogous

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



26.0714, 23.3221, 60.2485



30.7172, 23.3221, 46.0627



33.1358, 23.3221, 29.1088

Triad

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



30.7172, 23.3221, 46.0627



23.4288, 23.3221, 6.7040



14.4216, 23.3221, 37.5153

Complementary

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



30.7172, 23.3221, 46.0627



26.9371, 37.7839, 20.9134

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.



13.9330, 23.3221, 22.0091



30.7172, 23.3221, 46.0627



18.6732, 23.3221, 7.5102

Square

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



30.7172, 23.3221, 46.0627



28.5356, 23.3221, 9.1974



15.3718, 23.3221, 12.0706



16.8242, 23.3221, 54.1560

Rectangle

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



30.7172, 23.3221, 46.0627



32.9381, 23.3221, 19.8477



15.3718, 23.3221, 12.0706



14.0445, 23.3221, 31.8873

Sweetspot

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



30.7180, 23.3231, 46.0632



70.7182, 68.5028, 87.7897



21.5353, 20.1570, 45.9361



15.0961, 14.4702, 18.9196



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.



30.7180, 23.3231, 46.0632



52.1603, 36.3698, 82.5655



30.3988, 23.4297, 33.7994



8.7388, 8.5894, 10.7037



15.4295, 7.2900, 30.7309



0.5156, 0.2449, 0.9683

Inverse Universe

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



27.8978, 22.4293, 20.6294



46.4675, 34.6074, 29.3366



27.3429, 37.8088, 29.2622



8.5400, 8.5227, 9.0760



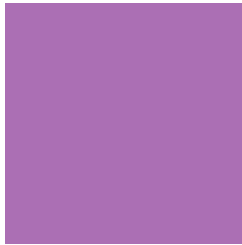
13.2628, 6.8227, 1.2777



0.4316, 0.2204, 0.1153

Previews

White Background



This preview shows how the XYZ color 30.7172, 23.3221, 46.0627 looks on a white background.

Color Contrast Check

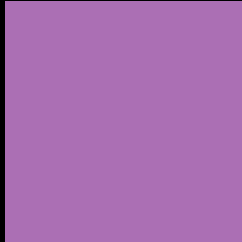
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7172, 23.3221, 46.0627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

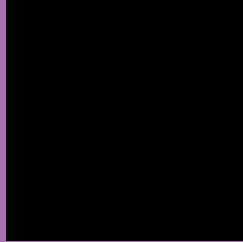
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.7172, 23.3221, 46.0627

Background



This preview shows how black text looks on a background with the XYZ color 30.7172, 23.3221, 46.0627.



This preview shows how white text looks on a background with the XYZ color 30.7172, 23.3221,

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

30.7172, 23.3221, 46.0627

Protanopia

24.6357, 23.5976, 55.4809

Deuteranopia

23.9788, 23.5048, 44.3473



Tritanopia

26.2439, 23.2060, 24.5687

Trichromacy



Original Color

30.7172, 23.3221, 46.0627

Protanomaly

26.1748, 23.1196, 51.7982

Deuteranomaly

25.9587, 23.1651, 44.6981

Tritanomaly

27.7225, 23.1080, 31.4329

Monochromacy



Original Color

30.7172, 23.3221, 46.0627

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.8634, 24.1278, 33.4310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7172, 23.3221, 46.0627 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(171, 111, 180)` looks like.

```
.text, #text, p{  
    color:rgb(171, 111, 180)  
}
```

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(171, 111, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 111, 180) }
```

Border

The CSS property to change the border of an element to XYZ 30.7172, 23.3221, 46.0627 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(171, 111, 180) }
```


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

```
.border{ border-color:rgb(171, 111, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 111, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 111, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 111, 180);  
box-shadow:4px 4px 4px 4px rgb(171, 111,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7172, 23.3221, 46.0627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 111, 180) }
```

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

```
.background{ background-color: rgb(171,  
111, 180) }
```

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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