

Converting Colors

XYZ(30.1257, 22.3150, 47.9975)

Have a look what the booklet for
XYZ(30.1257, 22.3150, 47.9975)
contains.

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Color

**XYZ(30.0579, 22.3009,
48.0677)**

Conversions

Conversions Part 1

Format	Color
Hex	A86BB8
RGB	168, 107, 184
RGB Percent	66%, 42%, 72%
CMY	0.3412, 0.5804, 0.2784
CMYK	0.09, 0.42, 0.00, 0.28
HSL	288°, 35%, 57%
HSV	288°, 42%, 72%
XYZ	30.0579, 22.3009, 48.0677
YIQ	134.0170, 11.6390, 36.8790

Conversions

Conversions Part 2

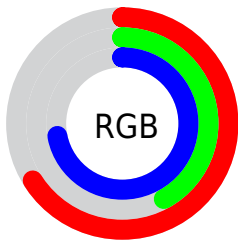
Format	Color
R _Y B	168, 107, 184
Decimal	11037624
CIE Lab	54.34, 37.44, -31.00
CIE LCh	54, 48.610, 320.374
Yxy	22.3009, 0.2993, 0.2221
Android (android.graphics.Color)	4289227704 (0xFFA86BB8)
YUV	134.0170, 24.6416, 29.8031
Hunter-Lab	47.2238, 30.9733, -27.2928

Details

The XYZ color **30.0579, 22.3009, 48.0677** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.9634, 39.5540, 20.0717**, and the grayscale version is **22.5762, 23.7520, 25.8659**.

A 20% lighter version of the original color is **59.0395, 47.2802, 88.4523**, and **12.4993, 8.1424, 22.3856** is the 20% darker color. If you saturate the color by 10%, you get **27.5380, 18.4512, 47.4578**, and if you desaturate by 10%, it is **33.0115, 26.9812, 48.8158**.

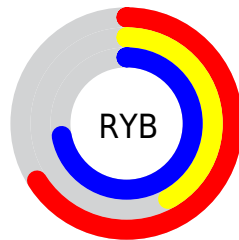
Distribution



Red (66%)

Green (42%)

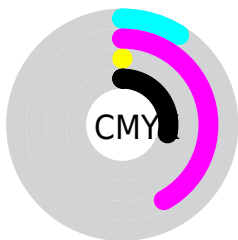
Blue (72%)



Red (66%)

Yellow (42%)

Blue (72%)

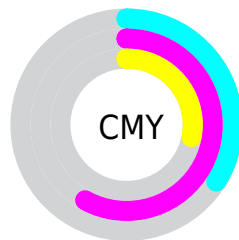


Cyan (9%)

Magenta (42%)

Yellow (0%)

Black (28%)



Cyan (34%)


Magenta (58%)


Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0579, 22.3009, 48.0677 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 30.0579, 22.3009, 48.0677 by changing the saturation by 10% instead.


 30.0579, 22.3009,
48.0677


 30.0579, 22.3009,
48.0677


294.0792,
264.1136, 395.5769

 20.0308, 14.0782,
33.5201

 59.1397, 47.2428,
88.6718


 12.5259, 8.1750,
22.2508


 78.9252, 64.7308,
115.5654

 7.1776, 4.2072,
13.8412


 102.6942, 86.0760,
147.4114

 3.6207, 1.7901,
7.8728

 130.8120,
111.6627, 184.6284

 1.4899, 0.4810,
3.9271

163.6441,
141.8755, 227.6349

 0.3189, 0.0000,
1.5854

201.5558,

 0.0000, 0.0000,

177.0986, 276.8495

0.2804

244.9124,
217.7165, 332.6906

■ 0.0000, 0.0000,
0.0000

■ 30.0579, 22.3009,
48.0677

■ 30.0579, 22.3009,
48.0677

■ 27.5380, 18.4512,
47.4578

■ 33.0115, 26.9812,
48.8158

■ 25.4230, 15.3768,
46.9758

■ 36.4204, 32.5369,
49.7085

■ 23.6845, 13.0203,
46.6126

■ 40.3076, 39.0132,
50.7536

■ 22.2888, 11.3149,
46.3570

■ 44.6939, 46.4510,
51.9581

■ 21.1962, 10.1812,
46.1958

■ 49.5985, 54.8890,
53.3283

■ 20.4646, 9.5505,
46.1126

■ 55.0400, 64.3637,
54.8703

■ 61.0357, 74.9096,
56.5898

■ 67.6024, 86.5597,
58.4924

■ 68.8803, 87.5947,
58.6249

Harmonies

Analogous

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



24.9473, 22.3009, 63.2229



30.0579, 22.3009, 48.0677



32.9197, 22.3009, 29.4984

Triad

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



30.0579, 22.3009, 48.0677



22.9471, 22.3009, 5.3730



13.0039, 22.3009, 35.9309

Complementary

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



30.0579, 22.3009, 48.0677



27.9634, 39.5540, 20.0717

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.



12.6503, 22.3009, 19.7198



30.0579, 22.3009, 48.0677



17.8415, 22.3009, 5.9077

Square

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



30.0579, 22.3009, 48.0677



28.3855, 22.3009, 8.0219



14.2739, 22.3009, 10.0155



15.3367, 22.3009, 54.4260

Rectangle

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



30.0579, 22.3009, 48.0677



32.8887, 22.3009, 19.3947



14.2739, 22.3009, 10.0155



12.6667, 22.3009, 29.9280

Sweetspot

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



30.0587, 22.3019, 48.0682



72.0490, 69.0101, 91.7275



21.8840, 20.9235, 48.2330



15.1877, 14.3004, 19.6814



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.0587, 22.3019, 48.0682



50.3468, 34.0867, 86.1304



31.5634, 23.3218, 37.1066



9.1933, 9.0660, 11.3448



14.1639, 6.6129, 31.7830



0.5460, 0.2572, 1.1226

Inverse Universe

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



28.6007, 22.1367, 21.5051



47.6237, 33.9064, 30.7229



27.1549, 38.9874, 26.8001



9.0789, 9.0419, 9.7630



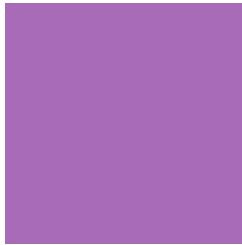
13.8885, 7.1291, 2.0336



0.5122, 0.2604, 0.1906

Previews

White Background



This preview shows how the XYZ color 30.0579, 22.3009, 48.0677 looks on a white background.

Color Contrast Check

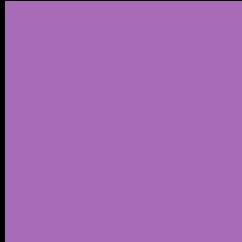
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0579, 22.3009, 48.0677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

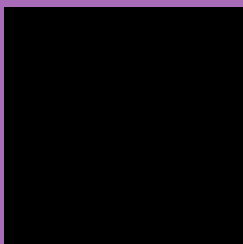
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0579, 22.3009, 48.0677

Background



This preview shows how black text looks on a background with the XYZ color 30.0579, 22.3009, 48.0677.



This preview shows how white text looks on a background with the XYZ color 30.0579, 22.3009,

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

30.0579, 22.3009, 48.0677

Protanopia

23.9707, 22.5984, 58.3569

Deuteranopia

23.0279, 22.5732, 46.3234



Tritanopia

24.9903, 22.2257, 23.3949

Trichromacy



Original Color

30.0579, 22.3009, 48.0677

Protanomaly

25.3192, 21.8851, 54.5195

Deuteranomaly

25.0094, 22.0793, 46.6597

Tritanomaly

26.5803, 22.1861, 30.8984

Monochromacy



Original Color

30.0579, 22.3009, 48.0677

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.7292, 22.7933, 32.8019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0579, 22.3009, 48.0677 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(168, 107, 184)` looks like.

```
.text, #text, p{  
    color:rgb(168, 107, 184)  
}
```

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(168, 107, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 107, 184) }
```

Border

The CSS property to change the border of an element to XYZ 30.0579, 22.3009, 48.0677 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(168, 107, 184) }
```


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

```
.border{ border-color:rgb(168, 107, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 107, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 107, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 107, 184);  
box-shadow:4px 4px 4px 4px rgb(168, 107,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0579, 22.3009, 48.0677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 107, 184) }
```

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

```
.background{ background-color: rgb(168,  
107, 184) }
```

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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