

Converting Colors

XYZ(30.8196, 22.4524, 48.6093)

Have a look what the booklet for
XYZ(30.8196, 22.4524, 48.6093)
contains.

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Color

**XYZ(30.9242, 22.5815,
48.6277)**

Conversions

Conversions Part 1

Format	Color
Hex	AC6AB9
RGB	172, 106, 185
RGB Percent	67%, 42%, 73%
CMY	0.3255, 0.5843, 0.2745
CMYK	0.07, 0.43, 0.00, 0.27
HSL	290°, 36%, 57%
HSV	290°, 43%, 73%
XYZ	30.9242, 22.5815, 48.6277
YIQ	134.7400, 13.9770, 38.5610

Conversions

Conversions Part 2

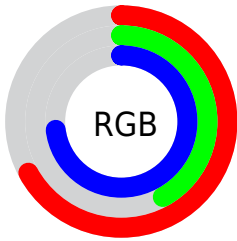
Format	Color
RYB	172, 106, 185
Decimal	11299513
CIELab	54.64, 39.42, -31.08
CIELCh	55, 50.199, 321.740
Yxy	22.5815, 0.3028, 0.2211
Android (android.graphics.Color)	4289489593 (0xFFAC6AB9)
YUV	134.7400, 24.7782, 32.6770
Hunter-Lab	47.5200, 33.0010, -27.4081

Details

The XYZ color **30.9242, 22.5815, 48.6277** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **27.5590, 39.6610, 19.8396**, and the grayscale version is **22.8411, 24.0307, 26.1694**.

A 20% lighter version of the original color is **60.5884, 47.8052, 89.2530**, and **13.0502, 8.3458, 22.7529** is the 20% darker color. If you saturate the color by 10%, you get **28.5591, 18.8313, 48.0288**, and if you desaturate by 10%, it is **33.7174, 27.1640, 49.3653**.

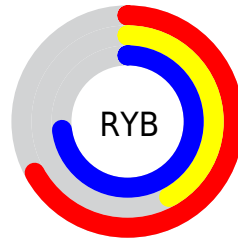
Distribution



Red (67%)

Green (42%)

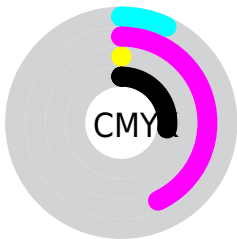
Blue (73%)



Red (67%)

Yellow (42%)

Blue (73%)

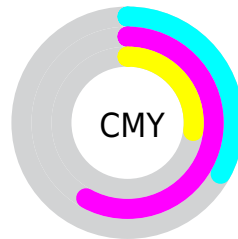


Cyan (7%)

Magenta (43%)

Yellow (0%)

Black (27%)



Cyan (33%)

Magenta (58%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9242, 22.5815, 48.6277 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 30.9242, 22.5815, 48.6277 by changing the saturation by 10% instead.

30.9242, 22.5815,
48.6277

30.9242, 22.5815,
48.6277

298.0221,
265.5681, 397.8551

20.6927, 14.2848,
33.9607

60.4974, 47.7052,
89.5135

13.0107, 8.3190,
22.5863

80.5697, 65.3010,
116.5694

7.5130, 4.2997,
14.0859

104.6531, 86.7654,
148.5921

3.8341, 1.8426,
8.0410

133.1128,
112.4826, 186.0000

1.6087, 0.5135,
4.0331

166.3141,
142.8370, 229.2117

0.3981, 0.0000,
1.6435

204.6226,

0.0000, 0.0000,

178.2132, 278.6457

0.3216

248.4035,
218.9954, 334.7207

■ 0.0000, 0.0000,
0.0000

■ 30.9242, 22.5815,
48.6277

■ 30.9242, 22.5815,
48.6277

■ 28.5591, 18.8313,
48.0288

■ 33.7174, 27.1640,
49.3653

■ 26.5929, 15.8571,
47.5584

■ 36.9608, 32.6245,
50.2484

■ 24.9966, 13.6000,
47.2068

■ 40.6777, 39.0091,
51.2848

■ 23.7357, 11.9915,
46.9628

■ 44.8890, 46.3594,
52.4816

■ 22.7692, 10.9497,
46.8127

■ 49.6146, 54.7148,
53.8453

■ 22.1898, 10.4277,
46.7425

■ 54.8729, 64.1123,
55.3821

■ 60.6817, 74.5871,
57.0977

■ 67.0578, 86.1727,
58.9979

■ 68.1764, 87.2197,
59.1411

Harmonies

Analogous

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



25.6400, 22.5815, 65.0195



30.9242, 22.5815, 48.6277



33.7759, 22.5815, 29.2192

Triad

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



30.9242, 22.5815, 48.6277



23.0246, 22.5815, 5.1040



13.0353, 22.5815, 37.6548

Complementary

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



30.9242, 22.5815, 48.6277



27.5590, 39.6610, 19.8396

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.



12.5783, 22.5815, 20.4730



30.9242, 22.5815, 48.6277



17.7663, 22.5815, 5.7793

Square

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



30.9242, 22.5815, 48.6277



28.7306, 22.5815, 7.6076



14.1600, 22.5815, 10.1573



15.5377, 22.5815, 57.0192

Rectangle

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



30.9242, 22.5815, 48.6277



33.6247, 22.5815, 18.9058



14.1600, 22.5815, 10.1573



12.6568, 22.5815, 31.3065

Sweetspot

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



30.9250, 22.5825, 48.6282



72.4910, 69.2379, 91.7482



21.3184, 19.8014, 48.5977



15.2983, 14.3574, 19.6866



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.



30.9250, 22.5825, 48.6282



51.4871, 34.2526, 86.1024



31.3914, 23.1149, 35.4573



9.2319, 9.0859, 11.3466



15.1615, 7.1272, 31.8297



0.5736, 0.2714, 1.1239

Inverse Universe

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



28.4921, 21.9552, 20.1899



46.8039, 33.1237, 27.8083



27.4813, 39.4377, 28.1144



9.0633, 9.0357, 9.6807



13.8054, 7.0959, 1.5958



0.5055, 0.2577, 0.1556

Previews

White Background



This preview shows how the XYZ color 30.9242, 22.5815, 48.6277 looks on a white background.

Color Contrast Check

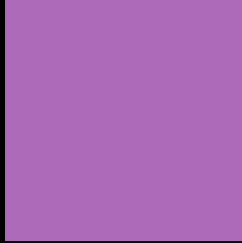
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9242, 22.5815, 48.6277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

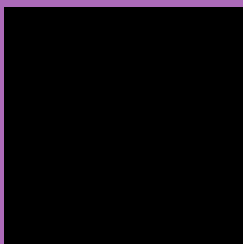
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.9242, 22.5815, 48.6277

Background



This preview shows how black text looks on a background with the XYZ color 30.9242, 22.5815, 48.6277.



This preview shows how white text looks on a background with the XYZ color 30.9242, 22.5815,

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

30.9242, 22.5815, 48.6277

Protanopia

24.4583, 23.0032, 60.2777

Deuteranopia

23.2610, 22.6815, 46.8681



Tritanopia

25.8029, 22.6447, 23.4330

Trichromacy



Original Color

30.9242, 22.5815, 48.6277

Protanomaly

25.9687, 22.3731, 55.7731

Deuteranomaly

25.4342, 22.2864, 47.2171

Tritanomaly

27.3785, 22.4200, 31.3183

Monochromacy



Original Color

30.9242, 22.5815, 48.6277

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.1702, 23.0111, 33.2520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9242, 22.5815, 48.6277 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(172, 106, 185)` looks like.

```
.text, #text, p{  
    color:rgb(172, 106, 185)  
}
```

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(172, 106, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 106, 185) }
```

Border

The CSS property to change the border of an element to XYZ 30.9242, 22.5815, 48.6277 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(172, 106, 185) }
```


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

```
.border{ border-color:rgb(172, 106, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 106, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 106, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 106, 185);  
box-shadow:4px 4px 4px 4px rgb(172, 106,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9242, 22.5815, 48.6277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 106, 185) }
```

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

```
.background{ background-color: rgb(172,  
106, 185) }
```

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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