

Converting Colors

XYZ(30.1161, 23.7768, 48.8742)

Have a look what the booklet for
XYZ(30.1161, 23.7768, 48.8742)
contains.

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Color

**XYZ(30.1066, 23.7801,
48.9022)**

Conversions

Conversions Part 1

Format	Color
Hex	A374B9
RGB	163, 116, 185
RGB Percent	64%, 45%, 73%
CMY	0.3608, 0.5451, 0.2745
CMYK	0.12, 0.37, 0.00, 0.27
HSL	281°, 33%, 59%
HSV	281°, 37%, 73%
XYZ	30.1066, 23.7801, 48.9022
YIQ	137.9190, 5.8630, 31.4230

Conversions

Conversions Part 2

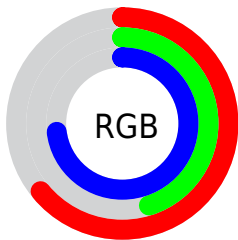
Format	Color
R _Y B	163, 116, 185
Decimal	10712249
CIE Lab	55.87, 31.06, -29.25
CIE LCh	56, 42.670, 316.719
Yxy	23.7801, 0.2929, 0.2313
Android (android.graphics.Color)	4288902329 (0xFFA374B9)
YUV	137.9190, 23.2109, 21.9960
Hunter-Lab	48.7648, 24.8644, -25.3216

Details

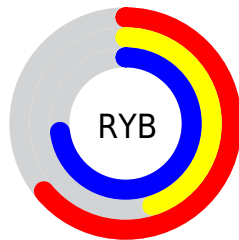
The XYZ color **30.1066, 23.7801, 48.9022** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.9834, 41.3628, 22.8749**, and the grayscale version is **24.0401, 25.2921, 27.5430**.

A 20% lighter version of the original color is **59.2786, 49.7869, 89.7046**, and **12.6024, 8.9952, 22.9018** is the 20% darker color. If you saturate the color by 10%, you get **27.0031, 19.3240, 48.2060**, and if you desaturate by 10%, it is **33.6927, 29.1165, 49.7436**.

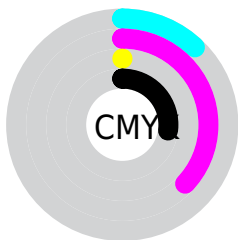
Distribution



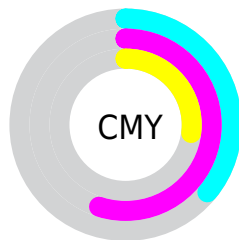
- Red (64%)
- Green (45%)
- Blue (73%)



- Red (64%)
- Yellow (45%)
- Blue (73%)



- Cyan (12%)
- Magenta (37%)
- Yellow (0%)
- Black (27%)



- Cyan (36%)
- Magenta (55%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1066, 23.7801, 48.9022 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 30.1066, 23.7801, 48.9022 by changing the saturation by 10% instead.

30.1066, 23.7801,
48.9022

30.1066, 23.7801,
48.9022

294.3019,
271.7068, 398.9686

20.0680, 15.1706,
34.1768

59.2162, 49.6711,
89.9257

12.5530, 8.9392,
22.7510

79.0179, 67.7214,
117.0609

7.1964, 4.7015,
14.2062

102.8046, 89.6874,
149.1698

3.6326, 2.0732,
8.1238

130.9418,
115.9535, 186.6709

1.4965, 0.6495,
4.0854

163.7948,
146.9041, 229.9828

0.3234, 0.0000,
1.6723

201.7289,

0.0000, 0.0000,

182.9236, 279.5240

0.3416

245.1095,
224.3964, 335.7131

■ 0.0000, 0.0000,
0.0000

■ 30.1066, 23.7801,
48.9022

■ 30.1066, 23.7801,
48.9022

■ 27.0031, 19.3240,
48.2060

■ 33.6927, 29.1165,
49.7436

■ 24.3537, 15.6941,
47.6450

■ 37.7829, 35.3772,
50.7364

■ 22.1304, 12.8351,
47.2104

■ 42.4004, 42.6065,
51.8885

■ 20.3007, 10.6831,
46.8914

■ 47.5661, 50.8453,
53.2065

■ 18.8269, 9.1638,
46.6759

■ 53.2996, 60.1318,
54.6968

■ 17.6549, 8.1704,
46.5459

■ 59.6197, 70.5024,
56.3654

■ 17.3634, 7.9396,
46.5167

■ 66.5440, 81.9916,
58.2181

■ 71.1496, 88.7524,
59.2803

■ 72.8622, 89.6353,
59.3604

Harmonies

Analogous

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



25.3971, 23.7801, 60.8900



30.1066, 23.7801, 48.9022



32.9659, 23.7801, 32.5368

Triad

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



30.1066, 23.7801, 48.9022



24.8167, 23.7801, 7.6090



14.7851, 23.7801, 34.3751

Complementary

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



30.1066, 23.7801, 48.9022



30.9834, 41.3628, 22.8749

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.



14.6761, 23.7801, 20.2205



30.1066, 23.7801, 48.9022



20.0204, 23.7801, 7.7940

Square

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



30.1066, 23.7801, 48.9022



29.6296, 23.7801, 10.8928



16.4617, 23.7801, 11.5423



16.7845, 23.7801, 50.6563

Rectangle

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



30.1066, 23.7801, 48.9022



33.2053, 23.7801, 22.8873



16.4617, 23.7801, 11.5423



14.5373, 23.7801, 29.1498

Sweetspot

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



30.1074, 23.7811, 48.9027



72.6114, 71.0674, 92.0950



25.1929, 25.6820, 49.5287



15.4133, 14.9443, 19.7938



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.



30.1074, 23.7811, 48.9027



49.1745, 35.7543, 86.5141



33.8450, 25.8425, 42.9942



9.0949, 9.0153, 11.3402



11.9011, 5.4465, 31.6771



0.4808, 0.2236, 1.1196

Inverse Universe

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



30.8412, 24.6410, 27.1764



50.9661, 37.6921, 40.7747



28.4157, 39.9569, 26.4658



9.1195, 9.0582, 9.9765



14.1904, 7.2499, 3.6235



0.5293, 0.2672, 0.2805

Previews

White Background



This preview shows how the XYZ color 30.1066, 23.7801, 48.9022 looks on a white background.

Color Contrast Check

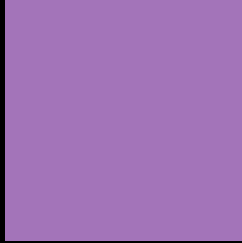
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1066, 23.7801, 48.9022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

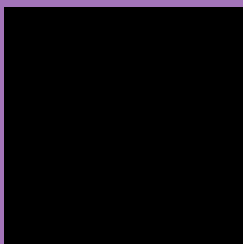
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.1066, 23.7801, 48.9022

Background



This preview shows how black text looks on a background with the XYZ color 30.1066, 23.7801, 48.9022.



This preview shows how white text looks on a background with the XYZ color 30.1066, 23.7801,

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

30.1066, 23.7801, 48.9022

Protanopia

25.1264, 24.0245, 56.7390

Deuteranopia

24.4405, 23.8730, 47.5758



Tritanopia

25.6151, 23.7672, 26.5300

Trichromacy



Original Color

30.1066, 23.7801, 48.9022

Protanomaly

26.4466, 23.5973, 53.6129

Deuteranomaly

26.1614, 23.5748, 47.9713

Tritanomaly

27.0903, 23.6231, 33.7037

Monochromacy



Original Color

30.1066, 23.7801, 48.9022

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.9316, 24.5349, 34.3793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1066, 23.7801, 48.9022 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(163, 116, 185)` looks like.

```
.text, #text, p{  
    color:rgb(163, 116, 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(163, 116, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 116, 185) }
```

Border

The CSS property to change the border of an element to XYZ 30.1066, 23.7801, 48.9022 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(163, 116, 185) }
```


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

```
.border{ border-color:rgb(163, 116, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 116, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 116, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 116, 185);  
box-shadow:4px 4px 4px 4px rgb(163, 116,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1066, 23.7801, 48.9022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 116, 185) }
```

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

```
.background{ background-color: rgb(163,  
116, 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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