

Converting Colors

XYZ(31.3716, 22.1914, 60.1130)

Have a look what the booklet for
XYZ(31.3716, 22.1914, 60.1130)
contains.

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Color

**XYZ(31.4868, 22.3077,
60.4039)**

Conversions

Conversions Part 1

Format	Color
Hex	A568CD
RGB	165, 104, 205
RGB Percent	65%, 41%, 80%
CMY	0.3529, 0.5921, 0.1961
CMYK	0.20, 0.49, 0.00, 0.20
HSL	276°, 50%, 61%
HSV	276°, 49%, 80%
XYZ	31.4868, 22.3077, 60.4039
YIQ	133.7530, 3.9350, 44.3430

Conversions

Conversions Part 2

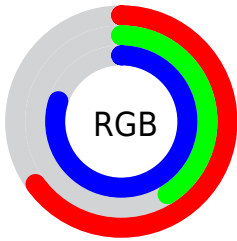
Format	Color
R_{YB}	165, 104, 205
Decimal	10840269
CIE _{Lab}	54.35, 42.72, -43.04
CIE _{LCh}	54, 60.645, 314.790
Yxy	22.3077, 0.2757, 0.1953
Android (android.graphics.Color)	4289030349 (0xFFA568CD)
YUV	133.7530, 35.1248, 27.4036
Hunter-Lab	47.2310, 36.3436, -42.7644

Details

The XYZ color **31.4868, 22.3077, 60.4039** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.8321, 50.5919, 20.9741**, and the grayscale version is **22.4444, 23.6133, 25.7149**.

A 20% lighter version of the original color is **60.2312, 46.8635, 100.4788**, and **13.3797, 8.2198, 29.7356** is the 20% darker color. If you saturate the color by 10%, you get **28.0333, 17.8279, 59.7216**, and if you desaturate by 10%, it is **35.5507, 27.8475, 61.2594**.

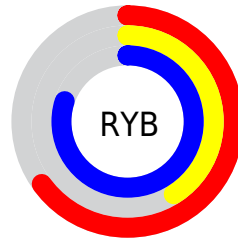
Distribution



Red (65%)

Green (41%)

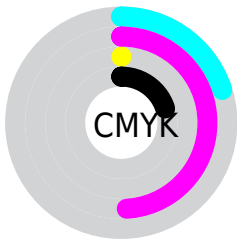
Blue (80%)



Red (65%)

Yellow (41%)

Blue (80%)

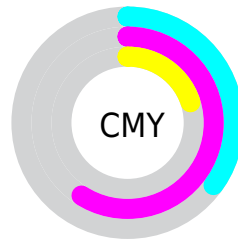


Cyan (20%)

Magenta (49%)

Yellow (0%)

Black (20%)



Cyan (35%)

Magenta (59%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4868, 22.3077, 60.4039 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 31.4868, 22.3077, 60.4039 by changing the saturation by 10% instead.

■ 31.4868, 22.3077,
60.4039

■ 31.4868, 22.3077,
60.4039

300.5618,
264.1490, 443.9308

■ 21.1235, 14.0832,
43.3168

■ 61.3763, 47.2540,
106.9645

■ 13.3273, 8.1785,
29.8006

■ 81.6332, 64.7446,
137.2750

■ 7.7328, 4.2094,
19.4365

■ 105.9187, 86.0927,
172.8305

■ 3.9748, 1.7914,
11.8061

■ 134.5980,
111.6826, 214.0495

■ 1.6879, 0.4818,
6.4909

168.0367,
141.8988, 261.3505

■ 0.4487, 0.0000,
3.0722

206.5999,

■ 0.0000, 0.0000,

177.1257, 315.1520

1.1316

250.6532,
217.7476, 375.8726

■ 0.0000, 0.0000,
0.0000

■ 31.4868, 22.3077,
60.4039

■ 31.4868, 22.3077,
60.4039

■ 28.0333, 17.8279,
59.7216

■ 35.5507, 27.8475,
61.2594

■ 25.1487, 14.3306,
59.1986

■ 40.2577, 34.5123,
62.2977

■ 22.7899, 11.7314,
58.8212


■ 45.6408, 42.3646,
63.5297


■ 20.9049, 9.9299,
58.5728


■ 51.7302, 51.4618,
64.9646


■ 19.4072, 8.7560,
58.4252


■ 58.5537, 61.8571,
66.6115

 19.3048, 8.6790,
58.4157

 66.1378, 73.6010,
68.4786

 74.5075, 86.7409,
70.5737

 79.3972, 92.7428,
71.4745

 82.0631, 94.1171,
71.5992

Harmonies

Analogous

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



24.6188, 22.3077, 79.2855



31.4868, 22.3077, 60.4039



35.9994, 22.3077, 35.1560

Triad

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



31.4868, 22.3077, 60.4039



24.7184, 22.3077, 3.3671



11.1283, 22.3077, 34.8270

Complementary

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



31.4868, 22.3077, 60.4039



35.8321, 50.5919, 20.9741

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.



11.1440, 22.3077, 15.9301



31.4868, 22.3077, 60.4039



18.1184, 22.3077, 3.3486

Square

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



31.4868, 22.3077, 60.4039



31.5727, 22.3077, 6.6019



13.4442, 22.3077, 6.5230



13.3956, 22.3077, 60.0579

Rectangle

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



31.4868, 22.3077, 60.4039



36.5734, 22.3077, 21.3724



13.4442, 22.3077, 6.5230



10.8848, 22.3077, 27.4602

Sweetspot

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



31.4876, 22.3086, 60.4044



78.6833, 75.2163, 104.9789



26.7630, 27.4196, 61.6399



16.3965, 15.4375, 22.3655



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.4876, 22.3086, 60.4044



45.6694, 28.8894, 97.7769



39.9667, 26.8161, 54.6405



11.2409, 11.1735, 14.1346



12.1275, 5.4595, 36.3709



0.7096, 0.3249, 1.8803

Inverse Universe

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



35.1618, 24.8941, 29.3379



52.9587, 33.9569, 38.9481



30.5838, 47.8234, 23.5692



11.3933, 11.2860, 12.6056



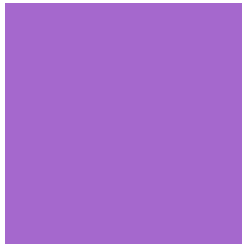
16.6464, 8.4691, 5.8565



0.8959, 0.4518, 0.4975

Previews

White Background



This preview shows how the XYZ color 31.4868, 22.3077, 60.4039 looks on a white background.

Color Contrast Check

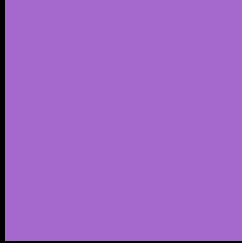
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4868, 22.3077, 60.4039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

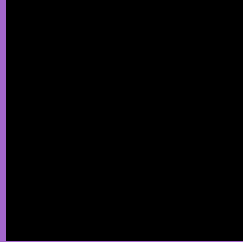
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4868, 22.3077, 60.4039

Background



This preview shows how black text looks on a background with the XYZ color 31.4868, 22.3077, 60.4039.



This preview shows how white text looks on a background with the XYZ color 31.4868, 22.3077,

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

31.4868, 22.3077, 60.4039

Protanopia

25.1546, 22.6482, 74.9972

Deuteranopia

23.1273, 22.5683, 57.7808



Tritanopia

24.1931, 22.3301, 24.5077

Trichromacy



Original Color

31.4868, 22.3077, 60.4039

Protanomaly

26.3219, 21.9004, 69.1696

Deuteranomaly

25.2438, 21.9321, 58.7799

Tritanomaly

26.2069, 21.8982, 35.1933

Monochromacy



Original Color

31.4868, 22.3077, 60.4039

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.1052, 22.7237, 36.3206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4868, 22.3077, 60.4039 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(165, 104, 205)` looks like.

```
.text, #text, p{  
    color:rgb(165, 104, 205)  
}
```

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(165, 104, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 104, 205) }
```

Border

The CSS property to change the border of an element to XYZ 31.4868, 22.3077, 60.4039 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(165, 104, 205) }
```


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

```
.border{ border-color:rgb(165, 104, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 104, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 104, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 104, 205);  
box-shadow:4px 4px 4px 4px rgb(165, 104,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4868, 22.3077, 60.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 104, 205) }
```

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

```
.background{ background-color: rgb(165,  
104, 205) }
```

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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