

Converting Colors

XYZ(31.2986, 22.2875, 57.3049)

Have a look what the booklet for
XYZ(31.2986, 22.2875, 57.3049)
contains.

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Color

**XYZ(31.3120, 22.2862,
57.2949)**

Conversions

Conversions Part 1

Format	Color
Hex	A768C8
RGB	167, 104, 200
RGB Percent	65%, 41%, 78%
CMY	0.3451, 0.5921, 0.2157
CMYK	0.16, 0.48, 0.00, 0.22
HSL	279°, 47%, 60%
HSV	279°, 48%, 78%
XYZ	31.3120, 22.2862, 57.2949
YIQ	133.7810, 6.7320, 43.2120

Conversions

Conversions Part 2

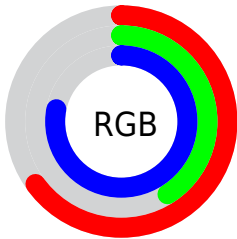
Format	Color
R _Y B	167, 104, 200
Decimal	10971336
CIE _{Lab}	54.33, 42.18, -40.21
CIE _{LCh}	54, 58.275, 316.371
Yxy	22.2862, 0.2824, 0.2010
Android (android.graphics.Color)	4289161416 (0xFFA768C8)
YUV	133.7810, 32.6460, 29.1331
Hunter-Lab	47.2083, 35.7799, -38.9123

Details

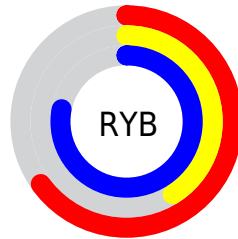
The XYZ color **31.3120, 22.2862, 57.2949** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **33.4700, 47.6268, 20.5263**, and the grayscale version is **22.4627, 23.6325, 25.7358**.

A 20% lighter version of the original color is **60.8474, 47.1812, 100.5076**, and **13.2401, 8.1934, 27.6717** is the 20% darker color. If you saturate the color by 10%, you get **28.1186, 17.9980, 56.6359**, and if you desaturate by 10%, it is **35.0616, 27.5708, 58.1177**.

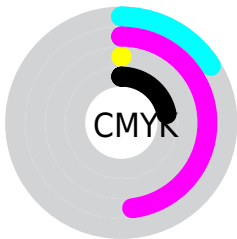
Distribution



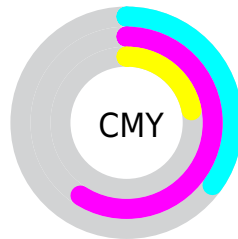
- Red (65%)
- Green (41%)
- Blue (78%)



- Red (65%)
- Yellow (41%)
- Blue (78%)



- Cyan (16%)
- Magenta (48%)
- Yellow (0%)
- Black (22%)



- Cyan (35%)
- Magenta (59%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3120, 22.2862, 57.2949 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 31.3120, 22.2862, 57.2949 by changing the saturation by 10% instead.

31.3120, 22.2862,
57.2949

31.3120, 22.2862,
57.2949

299.7744,
264.0373, 432.0781

20.9895, 14.0673,
40.8311

61.1035, 47.2186,
102.4000

13.2288, 8.1675,
27.8684

81.3032, 64.7009,
131.8783

7.6644, 4.2023,
17.9883

105.5260, 86.0398,
166.5319

3.9309, 1.7874,
10.7723

134.1373,
111.6197, 206.7794

1.6631, 0.4793,
5.8017

167.5024,
141.8250, 253.0392

0.4330, 0.0000,
2.6580

205.9868,

0.0000, 0.0000,

177.0401, 305.7299

0.9222

249.9556,
217.6494, 365.2700

■ 0.0000, 0.0000,
0.0000

■ 31.3120, 22.2862,
57.2949

■ 31.3120, 22.2862,
57.2949

■ 28.1186, 17.9980,
56.6359

■ 35.0616, 27.5708,
58.1177

■ 25.4435, 14.6342,
56.1276

■ 39.3970, 33.9114,
59.1130

■ 23.2475, 12.1174,
55.7575

■ 44.3486, 41.3662,
60.2910

■ 21.4837, 10.3559,
55.5105

■ 49.9436, 49.9883,
61.6603

■ 20.0831, 9.2134,
55.3638

■ 56.2078, 59.8272,
63.2293

■ 19.8246, 9.0156,
55.3392

■ 63.1651, 70.9296,
65.0055

■ 70.8385, 83.3397,
66.9965

■ 76.3099, 91.2199,
68.2292

■ 78.4589, 92.3277,
68.3297

Harmonies

Analogous

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



24.8155, 22.2862, 75.6901



31.3120, 22.2862, 57.2949



35.4105, 22.2862, 33.4784

Triad

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



31.3120, 22.2862, 57.2949



24.1932, 22.2862, 3.6732



11.4905, 22.2862, 35.5229

Complementary

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



31.3120, 22.2862, 57.2949



33.4700, 47.6268, 20.5263

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.



11.3902, 22.2862, 16.9204



31.3120, 22.2862, 57.2949



17.9224, 22.2862, 3.7976

Square

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



31.3120, 22.2862, 57.2949



30.7786, 22.2862, 6.7300



13.5134, 22.2862, 7.2462



13.8221, 22.2862, 59.4198

Rectangle

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



31.3120, 22.2862, 57.2949



35.7900, 22.2862, 20.5870



13.5134, 22.2862, 7.2462



11.2135, 22.2862, 28.3589

Sweetspot

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



31.3128, 22.2871, 57.2954



80.3283, 77.0461, 105.2454



25.1662, 25.1764, 58.1770



16.7520, 15.8140, 22.4194



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.



31.3128, 22.2871, 57.2954



48.2640, 30.6163, 97.9735



37.5907, 25.7089, 49.2133



10.7154, 10.6271, 13.4040



12.7044, 5.7836, 35.1911



0.6771, 0.3128, 1.6698

Inverse Universe

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



33.2856, 23.9868, 26.5430



52.6745, 34.2628, 36.1575



29.6577, 45.5696, 24.4979



10.7818, 10.6961, 11.8345



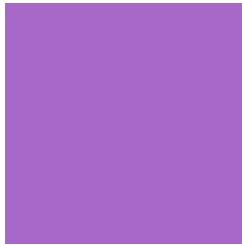
15.8615, 8.0941, 4.4804



0.7852, 0.3969, 0.3918

Previews

White Background



This preview shows how the XYZ color 31.3120, 22.2862, 57.2949 looks on a white background.

Color Contrast Check

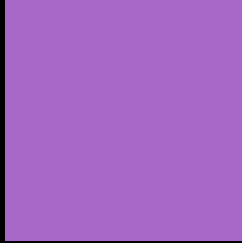
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3120, 22.2862, 57.2949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

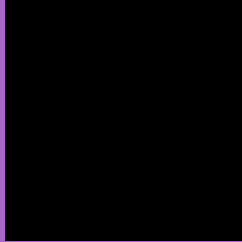
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3120, 22.2862, 57.2949

Background



This preview shows how black text looks on a background with the XYZ color 31.3120, 22.2862, 57.2949.



This preview shows how white text looks on a background with the XYZ color 31.3120, 22.2862,

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

31.3120, 22.2862, 57.2949

Protanopia

24.8570, 22.5729, 71.4535

Deuteranopia

23.1998, 22.6721, 54.7832



Tritanopia

24.5769, 22.3544, 24.1386

Trichromacy



Original Color

31.3120, 22.2862, 57.2949

Protanomaly

26.0783, 21.8493, 65.7937

Deuteranomaly

25.3729, 22.0659, 55.7452

Tritanomaly

26.5443, 22.1016, 33.8773

Monochromacy



Original Color

31.3120, 22.2862, 57.2949

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.1086, 22.7455, 35.4147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3120, 22.2862, 57.2949 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(167, 104, 200)` looks like.

```
.text, #text, p{  
    color:rgb(167, 104, 200)  
}
```

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(167, 104, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 104, 200) }
```

Border

The CSS property to change the border of an element to XYZ 31.3120, 22.2862, 57.2949 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(167, 104, 200) }
```


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

```
.border{ border-color:rgb(167, 104, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 104, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 104, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 104, 200);  
box-shadow:4px 4px 4px 4px rgb(167, 104,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3120, 22.2862, 57.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 104, 200) }
```

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

```
.background{ background-color: rgb(167,  
104, 200) }
```

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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