

Converting Colors

XYZ(31.4135, 22.7993, 56.1901)

Have a look what the booklet for
XYZ(31.4135, 22.7993, 56.1901)
contains.

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Color

**XYZ(31.3871, 22.8081,
56.1742)**

Conversions

Conversions Part 1

Format	Color
Hex	A76BC6
RGB	167, 107, 198
RGB Percent	65%, 42%, 78%
CMY	0.3451, 0.5804, 0.2235
CMYK	0.16, 0.46, 0.00, 0.22
HSL	280°, 44%, 60%
HSV	280°, 46%, 78%
XYZ	31.3871, 22.8081, 56.1742
YIQ	135.3140, 6.5490, 41.0210

Conversions

Conversions Part 2

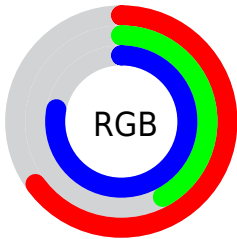
Format	Color
RYB	167, 107, 198
Decimal	10972102
CIELab	54.87, 40.11, -38.21
CIELCh	55, 55.396, 316.389
Yxy	22.8081, 0.2844, 0.2067
Android (android.graphics.Color)	4289162182 (0xFFA76BC6)
YUV	135.3140, 30.9042, 27.7886
Hunter-Lab	47.7578, 33.7365, -36.3082

Details

The XYZ color **31.3871, 22.8081, 56.1742** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **33.3298, 46.8535, 21.1978**, and the grayscale version is **23.0335, 24.2330, 26.3898**.

A 20% lighter version of the original color is **61.3613, 48.2089, 100.6789**, and **13.3072, 8.4506, 27.3153** is the 20% darker color. If you saturate the color by 10%, you get **28.1664, 18.4267, 55.4986**, and if you desaturate by 10%, it is **35.1564, 28.1749, 57.0118**.

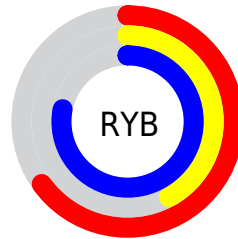
Distribution



Red (65%)

Green (42%)

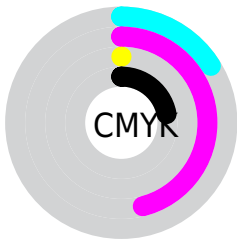
Blue (78%)



Red (65%)

Yellow (42%)

Blue (78%)

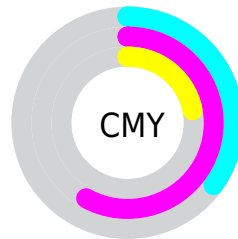


Cyan (16%)

Magenta (46%)

Yellow (0%)

Black (22%)



Cyan (35%)

Magenta (58%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3871, 22.8081, 56.1742 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 31.3871, 22.8081, 56.1742 by changing the saturation by 10% instead.

31.3871, 22.8081,
56.1742

31.3871, 22.8081,
56.1742

300.1129,
266.7378, 427.7544

21.0471, 14.4519,
39.9377

61.2207, 48.0780,
100.7476

13.2711, 8.4356,
27.1765

81.4450, 65.7605,
129.9215

7.6938, 4.3749,
17.4722

105.6948, 87.3206,
164.2450

3.9498, 1.8854,
10.4063

134.3353,
113.1426, 204.1365

1.6738, 0.5396,
5.5600

167.7321,
143.6109, 250.0147

0.4398, 0.0000,
2.5150

206.2503,

0.0000, 0.0000,

179.1099, 302.2980

0.8481

250.2555,
220.0241, 361.4051

■ 0.0000, 0.0000,
0.0000

■ 31.3871, 22.8081,
56.1742

■ 31.3871, 22.8081,
56.1742

■ 28.1664, 18.4267,
55.4986

■ 35.1564, 28.1749,
57.0118

■ 25.4581, 14.9619,
54.9726

■ 39.5024, 34.5840,
58.0198

■ 23.2248, 12.3404,
54.5843

■ 44.4543, 42.0913,
59.2079

■ 21.4227, 10.4758,
54.3194

■ 50.0384, 50.7478,
60.5845

■ 19.9967, 9.2601,
54.1599

■ 56.2793, 60.6013,
62.1574

■ 19.4838, 8.8668,
54.1110

■ 63.2003, 71.6967,
63.9343

■ 70.8234, 84.0768,
65.9221

■ 75.7603, 90.9634,
66.9911

■ 77.8551, 92.0433,
67.0892

Harmonies

Analogous

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



25.1790, 22.8081, 73.3712



31.3871, 22.8081, 56.1742



35.2789, 22.8081, 33.6605

Triad

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



31.3871, 22.8081, 56.1742



24.5738, 22.8081, 4.3473



12.2186, 22.8081, 35.6346

Complementary

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



31.3871, 22.8081, 56.1742



33.3298, 46.8535, 21.1978

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.



12.1180, 22.8081, 17.7037



31.3871, 22.8081, 56.1742



18.5183, 22.8081, 4.4812

Square

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



31.3871, 22.8081, 56.1742



30.8726, 22.8081, 7.5286



14.2118, 22.8081, 8.0632



14.5190, 22.8081, 58.1926

Rectangle

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



31.3871, 22.8081, 56.1742



35.6371, 22.8081, 21.2623



14.2118, 22.8081, 8.0632



11.9437, 22.8081, 28.7851

Sweetspot

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



31.3879, 22.8090, 56.1747



80.3663, 77.0657, 105.2471



25.4682, 25.6258, 57.0304



16.7613, 15.8188, 22.4199



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.



31.3879, 22.8090, 56.1747



49.9468, 32.7221, 98.2913



37.2355, 25.9974, 48.5960



10.7187, 10.6288, 13.4041



12.7652, 5.8150, 35.1940



0.6797, 0.3141, 1.6700

Inverse Universe

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



33.1345, 24.3570, 27.0005



53.9108, 36.0919, 38.5535



29.6880, 44.8864, 25.0770



10.7805, 10.6956, 11.8273



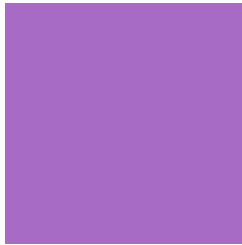
15.8492, 8.0892, 4.4157



0.7845, 0.3966, 0.3882

Previews

White Background



This preview shows how the XYZ color 31.3871, 22.8081, 56.1742 looks on a white background.

Color Contrast Check

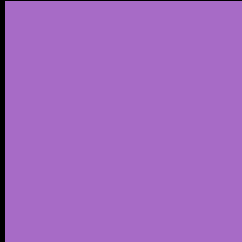
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3871, 22.8081, 56.1742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

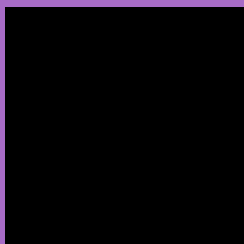
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3871, 22.8081, 56.1742

Background



This preview shows how black text looks on a background with the XYZ color 31.3871, 22.8081, 56.1742.



This preview shows how white text looks on a background with the XYZ color 31.3871, 22.8081,

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

31.3871, 22.8081, 56.1742

Protanopia

25.1985, 23.1971, 68.7950

Deuteranopia

23.5676, 23.0861, 53.6660



Tritanopia

25.0290, 22.7531, 24.9024

Trichromacy



Original Color

31.3871, 22.8081, 56.1742

Protanomaly

26.4963, 22.4655, 63.9125

Deuteranomaly

25.7119, 22.4484, 54.6076

Tritanomaly

27.0600, 22.6999, 34.4078

Monochromacy



Original Color

31.3871, 22.8081, 56.1742

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.5378, 23.3389, 35.5066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3871, 22.8081, 56.1742 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, 107, 198)` looks like.

```
.text, #text, p{  
    color:rgb(167, 107, 198)  
}
```

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, 107, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 107, 198) }
```

Border

The CSS property to change the border of an element to XYZ 31.3871, 22.8081, 56.1742 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, 107, 198) }
```


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

```
.border{ border-color:rgb(167, 107, 198) }
```

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

Here you see how a box with a 4 pixel rgb(167, 107, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 107, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 107, 198);  
box-shadow:4px 4px 4px 4px rgb(167, 107,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3871, 22.8081, 56.1742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 107, 198) }
```

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

```
.background{ background-color: rgb(167,  
107, 198) }
```

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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