

Converting Colors

XYZ(31.3976, 26.4482, 46.4754)

Have a look what the booklet for
XYZ(31.3976, 26.4482, 46.4754)
contains.

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Color

**XYZ(31.5535, 26.5810,
46.6476)**

Conversions

Conversions Part 1

Format	Color
Hex	A67FB4
RGB	166, 127, 180
RGB Percent	65%, 50%, 71%
CMY	0.3490, 0.5019, 0.2941
CMYK	0.08, 0.29, 0.00, 0.29
HSL	284°, 26%, 60%
HSV	284°, 29%, 71%
XYZ	31.5535, 26.5810, 46.6476
YIQ	144.7030, 6.2310, 24.7510

Conversions

Conversions Part 2

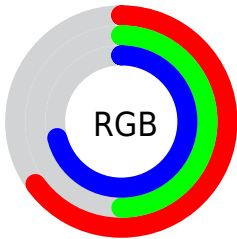
Format	Color
R_{YB}	166, 127, 180
Decimal	10911668
CIE _{Lab}	58.58, 24.73, -22.18
CIE _{LCh}	59, 33.214, 318.109
Yxy	26.5810, 0.3011, 0.2537
Android (android.graphics.Color)	4289101748 (0xFFA67FB4)
YUV	144.7030, 17.4014, 18.6775
Hunter-Lab	51.5568, 19.0203, -17.5548

Details

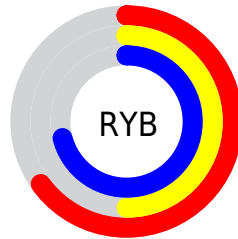
The XYZ color **31.5535, 26.5810, 46.6476** is a light color, and the websafe version is hex **996699**. A complement of this color would be **31.1373, 39.8382, 26.1283**, and the grayscale version is **26.7238, 28.1156, 30.6179**.

A 20% lighter version of the original color is **61.5858, 54.2282, 86.5781**, and **13.2947, 10.3508, 21.3759** is the 20% darker color. If you saturate the color by 10%, you get **28.4551, 21.8361, 45.8954**, and if you desaturate by 10%, it is **35.1058, 32.1778, 47.5411**.

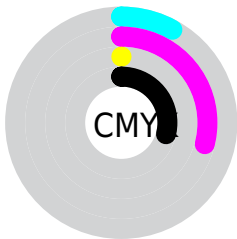
Distribution



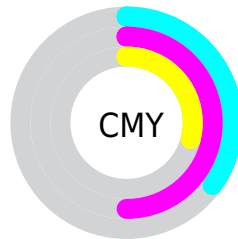
- Red (65%)
- Green (50%)
- Blue (71%)



- Red (65%)
- Yellow (50%)
- Blue (71%)



- Cyan (8%)
- Magenta (29%)
- Yellow (0%)
- Black (29%)



- Cyan (35%)
- Magenta (50%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5535, 26.5810, 46.6476 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 31.5535, 26.5810, 46.6476 by changing the saturation by 10% instead.

■ 31.5535, 26.5810,
46.6476

■ 31.5535, 26.5810,
46.6476

300.8618,
285.6226, 389.7591

■ 21.1746, 17.2588,
32.4048

■ 61.4804, 54.2108,
86.5318

■ 13.3649, 10.4192,
21.4035

■ 81.7591, 73.2871,
113.0103

■ 7.7590, 5.6778,
13.2252

■ 106.0684, 96.3836,
144.4045

■ 3.9916, 2.6501,
7.4512

134.7737,
123.8847, 181.1329

■ 1.6974, 0.9519,
3.6632

168.2403,
156.1748, 223.6140

■ 0.4546, 0.0000,
1.4424

206.8336,

■ 0.0000, 0.0000,

193.6382, 272.2664

0.1745

250.9190,
236.6593, 327.5085

■ 0.0000, 0.0000,
0.0000

■ 31.5535, 26.5810,
46.6476

■ 31.5535, 26.5810,
46.6476

■ 28.4551, 21.8361,
45.8954

■ 35.1058, 32.1778,
47.5411

■ 25.7855, 17.8952,
45.2755

■ 39.1302, 38.6642,
48.5810

■ 23.5209, 14.7110,
44.7802

■ 43.6472, 46.0798,
49.7742

■ 21.6342, 12.2295,
44.4007

■ 48.6751, 54.4607,
51.1269

■ 20.0945, 10.3897,
44.1267

■ 54.2312, 63.8412,
52.6447

■ 18.8656, 9.1197,
43.9464

■ 60.3321, 74.2538,
54.3330

■ 17.8778, 8.2808,
43.8365

■ 66.9935, 85.7294,
56.1969

■ 17.8252, 8.2376,
43.8309

■ 68.9108, 87.6582,
56.4682

■ 70.2344, 88.3405,
56.5301

Harmonies

Analogous

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



27.7774, 26.5810, 55.9187



31.5535, 26.5810, 46.6476



33.7278, 26.5810, 33.8134

Triad

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



31.5535, 26.5810, 46.6476



26.9125, 26.5810, 12.0764



18.5286, 26.5810, 36.4874

Complementary

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



31.5535, 26.5810, 46.6476



31.1373, 39.8382, 26.1283

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.



18.3504, 26.5810, 24.5628



31.5535, 26.5810, 46.6476



22.9078, 26.5810, 12.4313

Square

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



31.5535, 26.5810, 46.6476



30.8621, 26.5810, 15.2519



19.8720, 26.5810, 16.4019



20.3882, 26.5810, 49.0523

Rectangle

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



31.5535, 26.5810, 46.6476



33.8367, 26.5810, 25.8927



19.8720, 26.5810, 16.4019



18.2780, 26.5810, 32.2222

Sweetspot

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



31.5544, 26.5821, 46.6482



71.1747, 70.4702, 88.1454



26.5362, 26.8975, 46.9735



15.1443, 14.8423, 18.9889



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.5544, 26.5821, 46.6482



53.6603, 42.7237, 83.7129



33.4463, 27.6966, 40.4508



8.6267, 8.5316, 10.6984



12.5066, 5.7832, 30.5941



0.4449, 0.2085, 0.9650

Inverse Universe

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



31.2203, 26.8062, 28.7289



53.0944, 43.2730, 45.6901



29.7616, 39.0300, 30.5328



8.5855, 8.5409, 9.3155



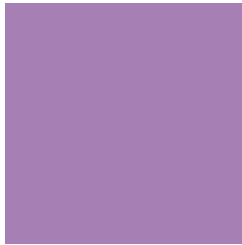
13.5270, 6.9283, 2.6690



0.4502, 0.2278, 0.2137

Previews

White Background



This preview shows how the XYZ color 31.5535, 26.5810, 46.6476 looks on a white background.

Color Contrast Check

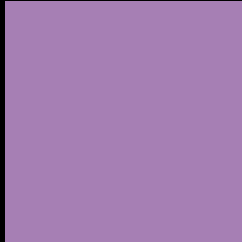
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5535, 26.5810, 46.6476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

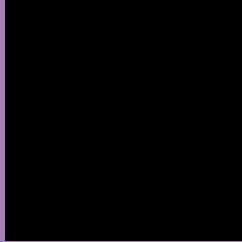
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5535, 26.5810, 46.6476

Background



This preview shows how black text looks on a background with the XYZ color 31.5535, 26.5810, 46.6476.



This preview shows how white text looks on a background with the XYZ color 31.5535, 26.5810,

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

31.5535, 26.5810, 46.6476

Protanopia

27.1703, 26.6514, 51.8563

Deuteranopia

27.2777, 26.6256, 45.8210



Tritanopia

28.2571, 26.6409, 30.0385

Trichromacy



Original Color

31.5535, 26.5810, 46.6476

Protanomaly

28.5114, 26.5358, 50.0736

Deuteranomaly

28.6944, 26.5079, 46.2520

Tritanomaly

29.3064, 26.4535, 35.4597

Monochromacy



Original Color

31.5535, 26.5810, 46.6476

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.3969, 27.4179, 36.1433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5535, 26.5810, 46.6476 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(166, 127, 180)` looks like.

```
.text, #text, p{  
    color:rgb(166, 127, 180)  
}
```

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(166, 127, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 127, 180) }
```

Border

The CSS property to change the border of an element to XYZ 31.5535, 26.5810, 46.6476 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(166, 127, 180) }
```


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

```
.border{ border-color:rgb(166, 127, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 127, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 127, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 127, 180);  
box-shadow:4px 4px 4px 4px rgb(166, 127,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5535, 26.5810, 46.6476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 127, 180) }
```

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

```
.background{ background-color: rgb(166,  
127, 180) }
```

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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