

Converting Colors

XYZ(31.7255, 18.6047, 63.5376)

Have a look what the booklet for
XYZ(31.7255, 18.6047, 63.5376)
contains.

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Color

**XYZ(31.6622, 18.5994,
63.5493)**

Conversions

Conversions Part 1

Format	Color
Hex	AE4AD3
RGB	174, 74, 211
RGB Percent	68%, 29%, 83%
CMY	0.3176, 0.7098, 0.1725
CMYK	0.18, 0.65, 0.00, 0.17
HSL	284°, 61%, 56%
HSV	284°, 65%, 83%
XYZ	31.6622, 18.5994, 63.5493
YIQ	119.5180, 15.6230, 63.8070

Conversions

Conversions Part 2

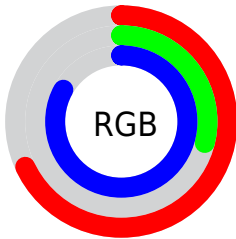
Format	Color
RYB	174, 74, 211
Decimal	11422419
CIELab	50.22, 61.20, -52.98
CIElCh	50, 80.941, 319.119
Yxy	18.5994, 0.2782, 0.1634
Android (android.graphics.Color)	4289612499 (0xFFAE4AD3)
YUV	119.5180, 45.1006, 47.7807
Hunter-Lab	43.1270, 55.5755, -57.1771

Details

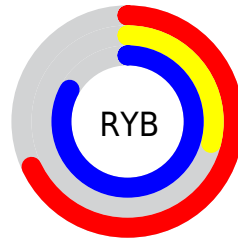
The XYZ color **31.6622, 18.5994, 63.5493** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **31.0864, 50.4629, 14.5811**, and the grayscale version is **17.5574, 18.4718, 20.1158**.

A 20% lighter version of the original color is **59.1790, 40.0763, 99.2242**, and **13.4020, 6.3125, 31.9646** is the 20% darker color. If you saturate the color by 10%, you get **29.2398, 15.5988, 63.0981**, and if you desaturate by 10%, it is **34.6122, 22.5737, 64.1612**.

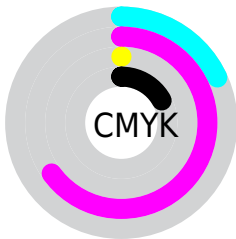
Distribution



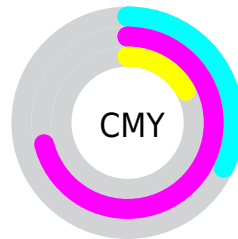
- Red (68%)
- Green (29%)
- Blue (83%)



- Red (68%)
- Yellow (29%)
- Blue (83%)



- Cyan (18%)
- Magenta (65%)
- Yellow (0%)
- Black (17%)



- Cyan (32%)
- Magenta (71%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6622, 18.5994, 63.5493 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 31.6622, 18.5994, 63.5493 by changing the saturation by 10% instead.

31.6622, 18.5994,
63.5493

31.6622, 18.5994,
63.5493

301.3503,
244.2282, 455.7230

21.2579, 11.3812,
45.8419

61.6499, 41.0561,
111.5548

13.4262, 6.3238,
31.7733

81.9641, 57.0633,
142.6900

7.8017, 3.0430,
20.9250

106.3122, 76.7690,
179.1382

4.0191, 1.1542,
12.8785

135.0597,
100.5576, 221.3179

1.7129, 0.0238,
7.2152

168.5719,
128.8134, 269.6477

0.4643, 0.0000,
3.5166

207.2142,

0.0000, 0.0000,

161.9208, 324.5461

1.3641

251.3518,
200.2643, 386.4317

■ 0.0000, 0.0000,
0.1134

■ 0.0000, 0.0000,
0.0000

■ 31.6622, 18.5994,
63.5493

■ 31.6622, 18.5994,
63.5493

■ 29.2398, 15.5988,
63.0981

■ 34.6122, 22.5737,
64.1612

■ 27.2927, 13.4706,
62.7899

■ 38.1308, 27.6050,
64.9469

■ 25.7606, 12.0945,
62.6051

■ 42.2572, 33.7701,
65.9194

■ 25.0874, 11.5748,
62.5402

■ 47.0264, 41.1378,
67.0902

■ 52.4704, 49.7715,
68.4697

■ 58.6191, 59.7300,
70.0678

■ 65.5006, 71.0685,
71.8937

■ 73.1412, 83.8390,
73.9559

■ 78.6592, 92.2771,
75.2938

Harmonies

Analogous

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



23.0760, 18.5994, 94.3015



31.6622, 18.5994, 63.5493



36.9434, 18.5994, 29.5200

Triad

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



31.6622, 18.5994, 63.5493



20.6722, 18.5994, 0.4958



6.9351, 18.5994, 37.8891

Complementary

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



31.6622, 18.5994, 63.5493



31.0864, 50.4629, 14.5811

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.



6.6397, 18.5994, 13.1598



31.6622, 18.5994, 63.5493



13.1955, 18.5994, 0.7062

Square

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



31.6622, 18.5994, 63.5493



29.4623, 18.5994, 2.0225



8.5706, 18.5994, 3.1180



9.5484, 18.5994, 73.3955

Rectangle

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



31.6622, 18.5994, 63.5493



37.0749, 18.5994, 14.1635



8.5706, 18.5994, 3.1180



6.5980, 18.5994, 27.8736

Sweetspot

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



31.6630, 18.6002, 63.5497



76.8428, 70.4901, 104.1636



20.4673, 17.9292, 64.0103



15.9352, 14.2766, 22.1657



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.



31.6630, 18.6002, 63.5497



43.6327, 22.5149, 96.6538



37.6863, 22.0963, 46.1660



11.9864, 11.8418, 14.8976



15.2424, 7.0381, 37.7476



0.9258, 0.4314, 2.1140

Inverse Universe

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



32.1825, 19.8948, 17.1835



45.4635, 25.2198, 17.1713



28.6015, 49.0379, 20.9712



11.9380, 11.8599, 12.9494



16.6948, 8.5508, 3.2991



0.9670, 0.4915, 0.3611

Previews

White Background



This preview shows how the XYZ color 31.6622, 18.5994, 63.5493 looks on a white background.

Color Contrast Check

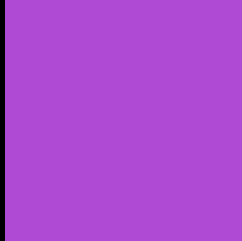
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6622, 18.5994, 63.5493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

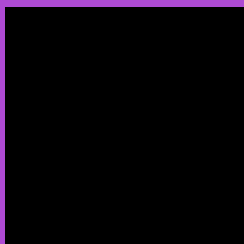
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6622, 18.5994, 63.5493

Background



This preview shows how black text looks on a background with the XYZ color 31.6622, 18.5994, 63.5493.



This preview shows how white text looks on a background with the XYZ color 31.6622, 18.5994,

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

31.6622, 18.5994, 63.5493

Protanopia

22.7653, 18.9153, 89.6399

Deuteranopia

19.4225, 18.9311, 58.5075



Tritanopia

22.1730, 18.4414, 17.7201

Trichromacy



Original Color

31.6622, 18.5994, 63.5493



Protanomaly

21.3151, 16.0543, 79.0662



Deuteranomaly

21.4492, 17.1332, 59.9341



Tritanomaly

24.5695, 17.8593, 30.1692

Monochromacy



Original Color

31.6622, 18.5994, 63.5493



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

21.4152, 17.5759, 32.4008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6622, 18.5994, 63.5493 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(174, 74, 211)` looks like.

```
.text, #text, p{  
    color:rgb(174, 74, 211)  
}
```

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(174, 74, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 74, 211) }
```

Border

The CSS property to change the border of an element to XYZ 31.6622, 18.5994, 63.5493 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(174, 74, 211) }
```


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

```
.border{ border-color:rgb(174, 74, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 74, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 74, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 74, 211);  
box-shadow:4px 4px 4px 4px rgb(174, 74,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6622, 18.5994, 63.5493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 74, 211) }
```

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

```
.background{ background-color: rgb(174, 74,  
211) }
```

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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