

Converting Colors

XYZ(31.1520, 17.9979, 76.3282)

Have a look what the booklet for
XYZ(31.1520, 17.9979, 76.3282)
contains.

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Color

**XYZ(31.1627, 17.9518,
76.6855)**

Conversions

Conversions Part 1

Format	Color
Hex	A049E6
RGB	160, 73, 230
RGB Percent	63%, 29%, 90%
CMY	0.3725, 0.7137, 0.0980
CMYK	0.30, 0.68, 0.00, 0.10
HSL	273°, 76%, 59%
HSV	273°, 68%, 90%
XYZ	31.1627, 17.9518, 76.6855
YIQ	116.9110, 1.4550, 67.2710

Conversions

Conversions Part 2

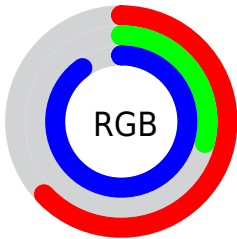
Format	Color
R _Y B	160, 73, 230
Decimal	10504678
CIE Lab	49.44, 62.72, -65.12
CIE LCh	49, 90.410, 313.923
Yxy	17.9518, 0.2477, 0.1427
Android (android.graphics.Color)	4288694758 (0xFFA049E6)
YUV	116.9110, 55.7529, 37.7891
Hunter-Lab	42.3696, 57.1395, -77.6514

Details

The XYZ color **31.1627, 17.9518, 76.6855** 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 **40.8271, 62.9145, 16.2955**, and the grayscale version is **16.7145, 17.5849, 19.1500**.

A 20% lighter version of the original color is **54.8528, 37.4588, 98.9470**, and **13.0983, 5.9939, 40.0017** is the 20% darker color. If you saturate the color by 10%, you get **27.9552, 14.4548, 76.1799**, and if you desaturate by 10%, it is **35.0994, 22.6541, 77.3860**.

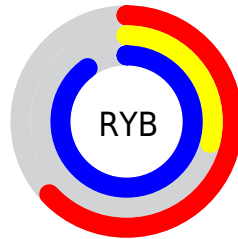
Distribution



Red (63%)

Green (29%)

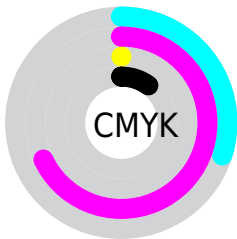
Blue (90%)



Red (63%)

Yellow (29%)

Blue (90%)

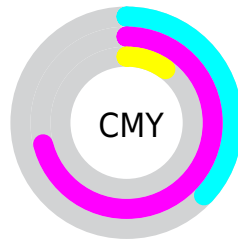


Cyan (30%)

Magenta (68%)

Yellow (0%)

Black (10%)



Cyan (37%)


Magenta (71%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1627, 17.9518, 76.6855 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 31.1627, 17.9518, 76.6855 by changing the saturation by 10% instead.

 31.1627, 17.9518,
76.6855


 31.1627, 17.9518,
76.6855


299.1007,
240.5992, 503.1002


 20.8752, 10.9154,
56.4848


 60.8702, 39.9552,
130.4644

 13.1448, 6.0100,
40.1851


 81.0210, 55.6909,
164.8796

 7.6060, 2.8511,
27.3680

 105.1902, 75.0953,
204.8701

 3.8935, 1.0545,
17.6149

 133.7432, 98.5525,
250.8544

 1.6421, 0.0000,
10.5073

 167.0455,
126.4472, 303.2510

 0.4196, 0.0000,
5.6266

205.4622,

 0.0000, 0.0000,

159.1636, 362.4785

2.5543

249.3588,
197.0861, 428.9554

■ 0.0000, 0.0000,
0.8687

■ 0.0000, 0.0000,
0.0000

■ 31.1627, 17.9518,
76.6855

■ 31.1627, 17.9518,
76.6855

■ 27.9552, 14.4548,
76.1799

■ 35.0994, 22.6541,
77.3860

■ 25.4052, 12.0288,
75.8460


■ 39.8219, 28.6722,
78.2987


■ 23.4162, 10.4860,
75.6531


■ 45.3835, 36.1059,
79.4404


■ 23.1035, 10.2603,
75.6260


■ 51.8316, 45.0446,
80.8259

 59.2096, 55.5701,
82.4687

 67.5582, 67.7582,
84.3812

 76.9152, 81.6797,
86.5752

 86.6743, 96.1173,
88.8475

 90.2942, 97.9835,
89.0170

Harmonies

Analogous

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



21.3229, 17.9518, 109.8278



31.1627, 17.9518, 76.6855



38.1828, 17.9518, 35.6607

Triad

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



31.1627, 17.9518, 76.6855



22.0216, 17.9518, 0.0000



5.5780, 17.9518, 33.1732

Complementary

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



31.1627, 17.9518, 76.6855



40.8271, 62.9145, 16.2955

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.



5.6541, 17.9518, 9.2077



31.1627, 17.9518, 76.6855



13.4114, 17.9518, 0.0000

Square

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



31.1627, 17.9518, 76.6855



31.8189, 17.9518, 1.7123



8.0241, 17.9518, 1.4775



7.7632, 17.9518, 73.6200

Rectangle

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



31.1627, 17.9518, 76.6855



39.2243, 17.9518, 16.5047



8.0241, 17.9518, 1.4775



5.3702, 17.9518, 22.9407

Sweetspot

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



31.1635, 17.9524, 76.6859



73.0067, 67.6054, 103.8090



26.9513, 26.9707, 78.6487



15.0498, 13.6441, 22.0903



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.



31.1635, 17.9524, 76.6859



33.8775, 16.8239, 96.0695



48.2209, 26.8704, 71.8581



14.3427, 14.2789, 18.1445



13.2227, 5.8824, 42.8217



1.0836, 0.4896, 3.1694

Inverse Universe

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



39.9738, 23.5715, 28.4290



46.8825, 25.0740, 26.8432



32.5244, 58.6023, 17.3526



14.6427, 14.4743, 16.3188



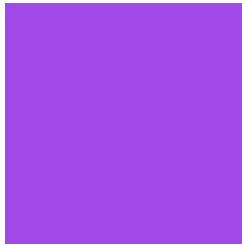
19.9077, 10.0973, 8.4086



1.5173, 0.7646, 0.8645

Previews

White Background



This preview shows how the XYZ color 31.1627, 17.9518, 76.6855 looks on a white background.

Color Contrast Check

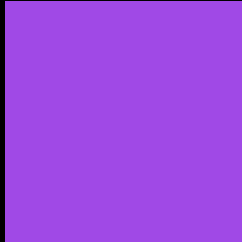
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.1627, 17.9518, 76.6855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

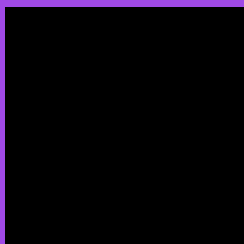
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.1627, 17.9518, 76.6855

Background



This preview shows how black text looks on a background with the XYZ color 31.1627, 17.9518, 76.6855.



This preview shows how white text looks on a background with the XYZ color 31.1627, 17.9518,

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

31.1627, 17.9518, 76.6855

Protanopia

21.6333, 18.1015, 84.7918

Deuteranopia

18.4743, 18.1361, 64.1549



Tritanopia

19.5539, 17.8207, 19.5487

Trichromacy



Original Color

31.1627, 17.9518, 76.6855



Protanomaly

21.2529, 15.6910, 81.2654



Deuteranomaly

19.2501, 15.6620, 68.3381



Tritanomaly

22.4735, 17.0720, 34.9116

Monochromacy



Original Color

31.1627, 17.9518, 76.6855



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

20.4981, 16.7625, 34.5029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1627, 17.9518, 76.6855 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(160, 73, 230)` looks like.

```
.text, #text, p{  
    color:rgb(160, 73, 230)  
}
```

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(160, 73, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 73, 230) }
```

Border

The CSS property to change the border of an element to XYZ 31.1627, 17.9518, 76.6855 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(160, 73, 230) }
```


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

```
.border{ border-color:rgb(160, 73, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 73, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 73, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 73, 230);  
box-shadow:4px 4px 4px 4px rgb(160, 73,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1627, 17.9518, 76.6855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 73, 230) }
```

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

```
.background{ background-color: rgb(160, 73,  
230) }
```

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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