

Converting Colors

XYZ(31.1119, 20.3106, 70.7862)

Have a look what the booklet for
XYZ(31.1119, 20.3106, 70.7862)
contains.

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Color

**XYZ(31.0660, 20.3183,
70.6911)**

Conversions

Conversions Part 1

Format	Color
Hex	9E5DDD
RGB	158, 93, 221
RGB Percent	62%, 36%, 87%
CMY	0.3804, 0.6353, 0.1333
CMYK	0.29, 0.58, 0.00, 0.13
HSL	270°, 65%, 62%
HSV	270°, 58%, 87%
XYZ	31.0660, 20.3183, 70.6911
YIQ	127.0270, -2.3480, 53.5880

Conversions

Conversions Part 2

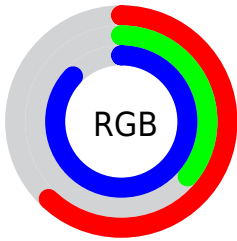
Format	Color
R_{YB}	158, 93, 221
Decimal	10378717
CIE _{Lab}	52.20, 50.47, -55.60
CIE _{LCh}	52, 75.094, 312.232
Yxy	20.3183, 0.2545, 0.1664
Android (android.graphics.Color)	4288568797 (0xFF9E5DDD)
YUV	127.0270, 46.3287, 27.1633
Hunter-Lab	45.0758, 44.1385, -61.4297

Details

The XYZ color **31.0660, 20.3183, 70.6911** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **41.5430, 59.5716, 19.6655**, and the grayscale version is **20.0295, 21.0726, 22.9481**.

A 20% lighter version of the original color is **56.6478, 42.3767, 99.8016**, and **13.0990, 7.1973, 36.2961** is the 20% darker color. If you saturate the color by 10%, you get **27.3534, 15.9292, 70.0400**, and if you desaturate by 10%, it is **35.5301, 25.9272, 71.5388**.

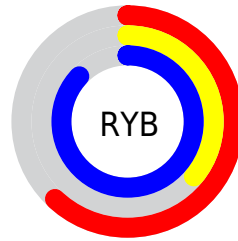
Distribution



Red (62%)

Green (36%)

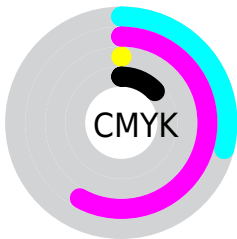
Blue (87%)



Red (62%)

Yellow (36%)

Blue (87%)

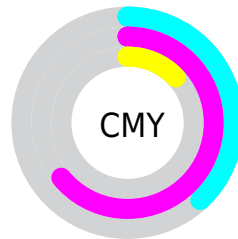


Cyan (29%)

Magenta (58%)

Yellow (0%)

Black (13%)



Cyan (38%)

Magenta (64%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0660, 20.3183, 70.6911 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 31.0660, 20.3183, 70.6911 by changing the saturation by 10% instead.

■ 31.0660, 20.3183,
70.6911

■ 31.0660, 20.3183,
70.6911

298.6637,
253.6331, 481.8274

■ 20.8012, 12.6266,
51.6099

■ 60.7191, 43.9502,
121.8841

■ 13.0904, 7.1720,
36.3141

■ 80.8381, 60.6592,
154.8330

■ 7.5682, 3.5699,
24.3853

■ 104.9725, 81.1428,
193.2415

■ 3.8694, 1.4360,
15.4048

■ 133.4878,
105.7853, 237.5282

■ 1.6285, 0.2430,
8.9542

166.7491,
134.9713, 288.1116

■ 0.4109, 0.0000,
4.6149

205.1220,

■ 0.0000, 0.0000,

169.0849, 345.4102

1.9684

248.9718,
208.5107, 409.8426

■ 0.0000, 0.0000,
0.5357

■ 0.0000, 0.0000,
0.0000

■ 31.0660, 20.3183,
70.6911

■ 31.0660, 20.3183,
70.6911

■ 27.3534, 15.9292,
70.0400

■ 35.5301, 25.9272,
71.5388

■ 24.3350, 12.6557,
69.5672

■ 40.7916, 32.8438,
72.5965

■ 21.9480, 10.3787,
69.2535

■ 46.8955, 41.1502,
73.8781

■ 20.1050, 8.9310,
69.0712

■ 53.8823, 50.9210,
75.3958

19.7624, 8.6802,
69.0409

61.7898, 62.2253,
77.1610

70.6533, 75.1280,
79.1843

80.5062, 89.6897,
81.4757

86.4746, 96.1566,
82.4094

90.0512, 98.0005,
82.5768

Harmonies

Analogous

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



22.6205, 20.3183, 94.7868



31.0660, 20.3183, 70.6911



37.1139, 20.3183, 37.7439

Triad

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



31.0660, 20.3183, 70.6911



24.1900, 20.3183, 1.3305



8.1579, 20.3183, 32.3738

Complementary

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



31.0660, 20.3183, 70.6911



41.5430, 59.5716, 19.6655

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.



8.3681, 20.3183, 11.5449



31.0660, 20.3183, 70.6911



16.3428, 20.3183, 1.1743

Square

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



31.0660, 20.3183, 70.6911



32.4747, 20.3183, 4.1128



10.9742, 20.3183, 3.2399



10.2952, 20.3183, 64.5941

Rectangle

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



31.0660, 20.3183, 70.6911



38.1983, 20.3183, 20.5133



10.9742, 20.3183, 3.2399



7.9765, 20.3183, 23.8152

Sweetspot

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



31.0669, 20.3191, 70.6916



75.3275, 71.5678, 104.4515



29.6230, 31.6623, 72.9572



15.6784, 14.6895, 22.2590



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.



31.0669, 20.3191, 70.6916



36.6361, 20.6894, 96.6703



46.7848, 28.4220, 71.4272



12.9659, 12.9405, 16.4665



11.6114, 5.1101, 40.1128



0.8516, 0.3823, 2.6033

Inverse Universe

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



39.7344, 25.6018, 34.3004



50.5919, 29.1912, 38.2580



32.3470, 54.8309, 19.2352



13.3218, 13.1578, 14.9561



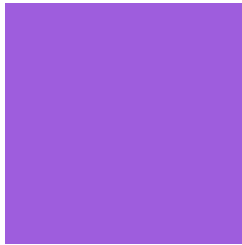
18.9756, 9.5913, 9.5174



1.2728, 0.6388, 0.8455

Previews

White Background



This preview shows how the XYZ color 31.0660, 20.3183, 70.6911 looks on a white background.

Color Contrast Check

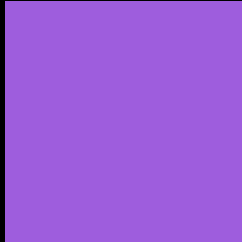
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0660, 20.3183, 70.6911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

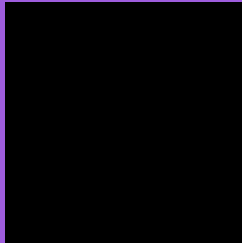
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0660, 20.3183, 70.6911

Background



This preview shows how black text looks on a background with the XYZ color 31.0660, 20.3183, 70.6911.



This preview shows how white text looks on a background with the XYZ color 31.0660, 20.3183,

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

31.0660, 20.3183, 70.6911

Protanopia

24.6147, 20.6846, 92.3177

Deuteranopia

21.2293, 20.6175, 66.4790



Tritanopia

21.3592, 20.1781, 23.1911

Trichromacy



Original Color

31.0660, 20.3183, 70.6911



Protanomaly

24.6356, 19.1777, 84.0646



Deuteranomaly

23.0559, 19.3715, 68.1695



Tritanomaly

24.0228, 19.7490, 36.7282

Monochromacy



Original Color

31.0660, 20.3183, 70.6911



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

23.0450, 20.2380, 36.4099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0660, 20.3183, 70.6911 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(158, 93, 221)` looks like.

```
.text, #text, p{  
    color:rgb(158, 93, 221)  
}
```

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(158, 93, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 93, 221) }
```

Border

The CSS property to change the border of an element to XYZ 31.0660, 20.3183, 70.6911 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(158, 93, 221) }
```


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

```
.border{ border-color:rgb(158, 93, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 93, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 93, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 93, 221);  
box-shadow:4px 4px 4px 4px rgb(158, 93,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0660, 20.3183, 70.6911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 93, 221) }
```

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

```
.background{ background-color: rgb(158, 93,  
221) }
```

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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