

Converting Colors

XYZ(34.7812, 19.7935, 70.6556)

Have a look what the booklet for
XYZ(34.7812, 19.7935, 70.6556)
contains.

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Color

**XYZ(34.5958, 19.6720,
70.3803)**

Conversions

Conversions Part 1

Format	Color
Hex	B647DD
RGB	182, 71, 221
RGB Percent	71%, 28%, 87%
CMY	0.2863, 0.7216, 0.1333
CMYK	0.18, 0.68, 0.00, 0.13
HSL	284°, 69%, 57%
HSV	284°, 68%, 87%
XYZ	34.5958, 19.6720, 70.3803
YIQ	121.2890, 18.0060, 70.1820

Conversions

Conversions Part 2

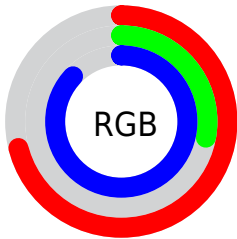
Format	Color
RYB	182, 71, 221
Decimal	11945949
CIELab	51.46, 66.20, -56.61
CIELCh	51, 87.105, 319.467
Yxy	19.6720, 0.2775, 0.1578
Android (android.graphics.Color)	4290136029 (0xFFB647DD)
YUV	121.2890, 49.1575, 53.2435
Hunter-Lab	44.3531, 61.6135, -63.0352

Details

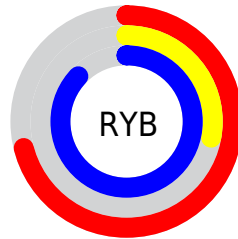
The XYZ color **34.5958, 19.6720, 70.3803** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **33.4247, 55.4833, 14.9095**, and the grayscale version is **18.1101, 19.0533, 20.7490**.

A 20% lighter version of the original color is **61.9150, 41.0995, 99.2775**, and **15.2490, 7.0766, 36.1595** is the 20% darker color. If you saturate the color by 10%, you get **32.1081, 16.6691, 69.9321**, and if you desaturate by 10%, it is **37.6517, 23.7268, 71.0022**.

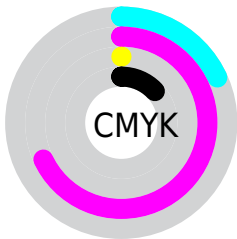
Distribution



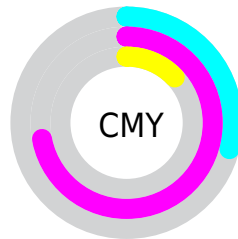
- Red (71%)
- Green (28%)
- Blue (87%)



- Red (71%)
- Yellow (28%)
- Blue (87%)



- Cyan (18%)
- Magenta (68%)
- Yellow (0%)
- Black (13%)





- Cyan (29%)
- Magenta (72%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5958, 19.6720, 70.3803 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 34.5958, 19.6720, 70.3803 by changing the saturation by 10% instead.

 34.5958, 19.6720,
70.3803


 34.5958, 19.6720,
70.3803


314.3200,
250.1339, 480.7093


 23.5167, 12.1568,
51.3579


 66.1973, 42.8666,
121.4371


 15.0983, 6.8506,
36.1148


 87.4504, 59.3148,
154.3086

 8.9752, 3.3688,
24.2325


 112.8256, 79.5095,
192.6336

 4.7820, 1.3272,
15.2924

 142.6882,
103.8350, 236.8306

 2.1533, 0.1621,
8.8759

 177.4036,
132.6759, 287.3181

 0.7180, 0.0000,
4.5646

217.3371,

 0.0000, 0.0000,

166.4164, 344.5147

1.9399

262.8541,
205.4409, 408.8390

■ 0.0000, 0.0000,
0.5180

■ 0.0000, 0.0000,
0.0000

■ 34.5958, 19.6720,
70.3803

■ 34.5958, 19.6720,
70.3803

■ 32.1081, 16.6691,
69.9321

■ 37.6517, 23.7268,
71.0022

■ 30.1268, 14.5984,
69.6369


■ 41.3237, 28.9310,
71.8132


■ 28.5704, 13.2967,
69.4676


■ 45.6570, 35.3733,
72.8283


■ 28.2667, 13.0643,
69.4388


■ 50.6918, 43.1330,
74.0607

 56.4649, 52.2828,
75.5225

 63.0103, 62.8899,
77.2249

 70.3598, 75.0172,
79.1784

 78.5435, 88.7238,
81.3927

 82.6494, 94.1847,
82.2303

Harmonies

Analogous

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



24.8749, 19.6720, 106.3604



34.5958, 19.6720, 70.3803



40.5591, 19.6720, 31.4749

Triad

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



34.5958, 19.6720, 70.3803



21.9403, 19.6720, 0.2163



6.9088, 19.6720, 41.7916

Complementary

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



34.5958, 19.6720, 70.3803



33.4247, 55.4833, 14.9095

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.



6.5658, 19.6720, 13.7723



34.5958, 19.6720, 70.3803



13.6384, 19.6720, 0.4618

Square

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



34.5958, 19.6720, 70.3803



31.8807, 19.6720, 1.7131



8.6141, 19.6720, 2.8974



9.7659, 19.6720, 82.7573

Rectangle

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



34.5958, 19.6720, 70.3803



40.6501, 19.6720, 14.4394



8.6141, 19.6720, 2.8974



6.5388, 19.6720, 30.3493

Sweetspot

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



34.5966, 19.6728, 70.3807



76.1718, 69.2371, 103.9571



21.3348, 17.9297, 70.7433



15.8116, 14.0369, 22.1260



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.



34.5966, 19.6728, 70.3807



43.2932, 21.8298, 96.5395



40.9355, 23.4244, 48.8189



13.2668, 13.0957, 16.4806



16.5315, 7.6465, 40.3430



1.1498, 0.5360, 2.6173

Inverse Universe

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



34.8870, 21.0050, 16.9680



44.7212, 24.3732, 14.9572



31.0571, 54.0936, 22.4407



13.1943, 13.1068, 14.2845



17.7974, 9.1200, 3.3133



1.1882, 0.6049, 0.3998

Previews

White Background



This preview shows how the XYZ color 34.5958, 19.6720, 70.3803 looks on a white background.

Color Contrast Check

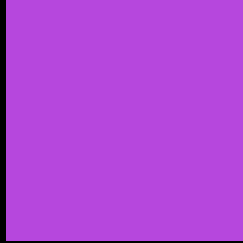
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5958, 19.6720, 70.3803 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 34.5958, 19.6720, 70.3803

Background



This preview shows how black text looks on a background with the XYZ color 34.5958, 19.6720, 70.3803.



This preview shows how white text looks on a background with the XYZ color 34.5958, 19.6720,

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

34.5958, 19.6720, 70.3803

Protanopia

24.1675, 20.2219, 94.7249

Deuteranopia

20.5411, 19.9307, 64.3924



Tritanopia

23.8606, 19.6073, 18.1498

Trichromacy



Original Color

34.5958, 19.6720, 70.3803



Protanomaly

22.8753, 17.0119, 85.2970



Deuteranomaly

22.6841, 17.7761, 66.5255



Tritanomaly

26.5951, 18.8664, 31.9456

Monochromacy



Original Color

34.5958, 19.6720, 70.3803



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

22.2637, 17.9745, 34.1943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5958, 19.6720, 70.3803 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(182, 71, 221)` looks like.

```
.text, #text, p{  
    color:rgb(182, 71, 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(182, 71, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 71, 221) }
```

Border

The CSS property to change the border of an element to XYZ 34.5958, 19.6720, 70.3803 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(182, 71, 221) }
```


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

```
.border{ border-color:rgb(182, 71, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 71, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 71, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 71, 221);  
box-shadow:4px 4px 4px 4px rgb(182, 71,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5958, 19.6720, 70.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 71, 221) }
```

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

```
.background{ background-color: rgb(182, 71,  
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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