

Converting Colors

XYZ(31.5488, 19.8111, 51.2212)

Have a look what the booklet for
XYZ(31.5488, 19.8111, 51.2212)
contains.

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Color

**XYZ(31.5533, 19.7719,
51.4435)**

Conversions

Conversions Part 1

Format	Color
Hex	B553BF
RGB	181, 83, 191
RGB Percent	71%, 33%, 75%
CMY	0.2902, 0.6745, 0.2510
CMYK	0.05, 0.57, 0.00, 0.25
HSL	294°, 46%, 54%
HSV	294°, 57%, 75%
XYZ	31.5533, 19.7719, 51.4435
YIQ	124.6140, 23.7400, 54.3640

Conversions

Conversions Part 2

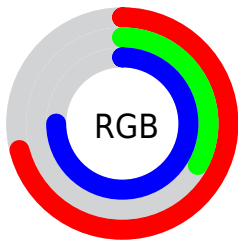
Format	Color
R_{YB}	181, 83, 191
Decimal	11883455
CIE _{Lab}	51.58, 54.92, -39.26
CIE _{LCh}	52, 67.511, 324.445
Yxy	19.7719, 0.3070, 0.1924
Android (android.graphics.Color)	4290073535 (0xFFB553BF)
YUV	124.6140, 32.7283, 49.4505
Hunter-Lab	44.4656, 48.8508, -37.4683

Details

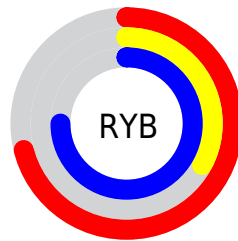
The XYZ color **31.5533, 19.7719, 51.4435** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **24.7070, 40.2138, 14.6444**, and the grayscale version is **19.2524, 20.2550, 22.0577**.

A 20% lighter version of the original color is **61.4855, 43.0194, 93.8699**, and **13.3204, 6.8614, 24.2892** is the 20% darker color. If you saturate the color by 10%, you get **29.8764, 17.0291, 51.0028**, and if you desaturate by 10%, it is **33.6394, 23.3240, 52.0195**.

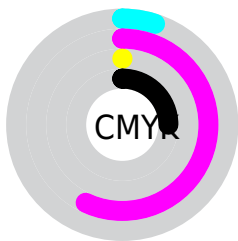
Distribution



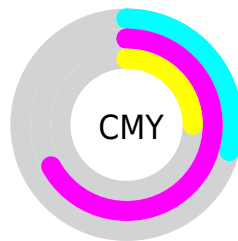
- Red (71%)
- Green (33%)
- Blue (75%)



- Red (71%)
- Yellow (33%)
- Blue (75%)



- Cyan (5%)
- Magenta (57%)
- Yellow (0%)
- Black (25%)



- Cyan (29%)
- Magenta (67%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5533, 19.7719, 51.4435 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 31.5533, 19.7719, 51.4435 by changing the saturation by 10% instead.

■ 31.5533, 19.7719,
51.4435

■ 31.5533, 19.7719,
51.4435

300.8609,
250.6776, 409.1801

■ 21.1744, 12.2293,
36.1825

■ 61.4801, 43.0344,
93.7282

■ 13.3647, 6.9001,
24.2844

■ 81.7587, 59.5232,
121.5890

■ 7.7589, 3.3997,
15.3306

■ 106.0679, 79.7628,
154.4868

■ 3.9916, 1.3438,
8.9025

■ 134.7731,
104.1377, 192.8402

■ 1.6974, 0.1747,
4.5817

■ 168.2397,
133.0322, 237.0677

■ 0.4546, 0.0000,
1.9496

206.8329,

■ 0.0000, 0.0000,

166.8308, 287.5878

0.5240

250.9182,
205.9178, 344.8191

■ 0.0000, 0.0000,
0.0000

■ 31.5533, 19.7719,
51.4435

■ 31.5533, 19.7719,
51.4435

■ 29.8764, 17.0291,
51.0028

■ 33.6394, 23.3240,
52.0195

■ 28.5725, 15.0253,
50.6847

■ 36.1627, 27.7431,
52.7395

■ 27.6028, 13.6821,
50.4766

■ 39.1510, 33.0845,
53.6129

■ 26.9152, 12.8954,
50.3609

■ 42.6294, 39.3983,
54.6483

■ 26.7076, 12.6819,
50.3307

■ 46.6212, 46.7307,
55.8532

■ 51.1480, 55.1253,
57.2349

■ 56.2303, 64.6229,
58.8003

■ 61.8875, 75.2622,
60.5557

■ 68.1380, 87.0802,
62.5074

Harmonies

Analogous

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



24.7349, 19.7719, 76.7247



31.5533, 19.7719, 51.4435



35.0284, 19.7719, 25.3580

Triad

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



31.5533, 19.7719, 51.4435



20.0861, 19.7719, 1.6329



9.2306, 19.7719, 41.0235

Complementary

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



31.5533, 19.7719, 51.4435



24.7070, 40.2138, 14.6444

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.



8.5568, 19.7719, 18.1049



31.5533, 19.7719, 51.4435



13.8875, 19.7719, 2.2713

Square

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



31.5533, 19.7719, 51.4435



27.4606, 19.7719, 3.1799



10.0407, 19.7719, 6.2762



12.1725, 19.7719, 68.5788

Rectangle

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



31.5533, 19.7719, 51.4435



34.4985, 19.7719, 13.4778



10.0407, 19.7719, 6.2762



8.7666, 19.7719, 32.2770

Sweetspot

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



31.5540, 19.7728, 51.4439



75.8658, 69.6796, 97.7301



16.9570, 13.5715, 51.0163



16.3682, 14.7702, 21.3735



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.5540, 19.7728, 51.4439



52.8559, 29.4695, 91.1815



29.9092, 19.3955, 30.1022



9.8405, 9.6502, 12.0162



17.5880, 8.3530, 33.0782



0.7146, 0.3404, 1.2969

Inverse Universe

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



26.5555, 18.0540, 12.4419



43.3414, 26.2730, 13.5479



25.9776, 40.6126, 26.2773



9.5651, 9.5503, 10.0988



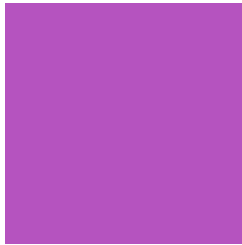
14.2039, 7.3127, 1.1014



0.5686, 0.2913, 0.1076

Previews

White Background



This preview shows how the XYZ color 31.5533, 19.7719, 51.4435 looks on a white background.

Color Contrast Check

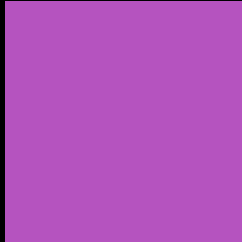
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5533, 19.7719, 51.4435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

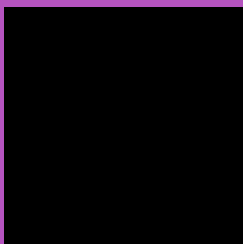
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5533, 19.7719, 51.4435

Background



This preview shows how black text looks on a background with the XYZ color 31.5533, 19.7719, 51.4435.

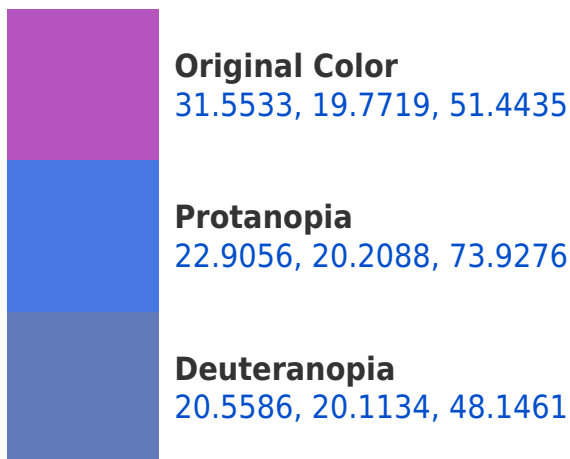


This preview shows how white text looks on a background with the XYZ color 31.5533, 19.7719,

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





Tritanopia

24.6695, 19.7284, 17.8370

Trichromacy



Original Color

31.5533, 19.7719, 51.4435



Protanomaly

23.8235, 18.6990, 65.3044



Deuteranomaly

23.0846, 18.8250, 49.4306



Tritanomaly

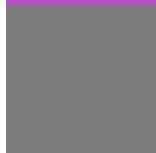
26.6698, 19.4028, 27.5388

Monochromacy



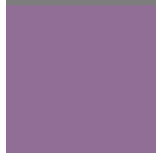
Original Color

31.5533, 19.7719, 51.4435



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

22.6778, 19.3415, 30.9718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5533, 19.7719, 51.4435 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(181, 83, 191)` looks like.

```
.text, #text, p{  
    color:rgb(181, 83, 191)  
}
```

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(181, 83, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 83, 191) }
```

Border

The CSS property to change the border of an element to XYZ 31.5533, 19.7719, 51.4435 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(181, 83, 191) }
```


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

```
.border{ border-color:rgb(181, 83, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 83, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 83, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 83, 191);  
box-shadow:4px 4px 4px 4px rgb(181, 83,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5533, 19.7719, 51.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 83, 191) }
```

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

```
.background{ background-color: rgb(181, 83,  
191) }
```

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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