

Converting Colors

XYZ(31.6236, 19.1560, 56.0636)

Have a look what the booklet for
XYZ(31.6236, 19.1560, 56.0636)
contains.

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Color

**XYZ(31.6236, 19.1560,
56.0636)**

Conversions

Conversions Part 1

Format	Color
Hex	B34EC7
RGB	179, 78, 199
RGB Percent	70%, 31%, 78%
CMY	0.2980, 0.6941, 0.2196
CMYK	0.10, 0.61, 0.00, 0.22
HSL	290°, 52%, 54%
HSV	290°, 61%, 78%
XYZ	31.6236, 19.1560, 56.0636
YIQ	121.9930, 21.3550, 59.0430

Conversions

Conversions Part 2

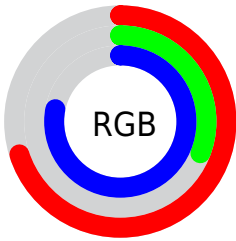
Format	Color
RYB	179, 78, 199
Decimal	11751111
CIELab	50.87, 58.24, -45.01
CIELCh	51, 73.603, 322.301
Yxy	19.1560, 0.2960, 0.1793
Android (android.graphics.Color)	4289941191 (0xFFB34EC7)
YUV	121.9930, 37.9645, 49.9951
Hunter-Lab	43.7676, 52.3793, -45.3096

Details

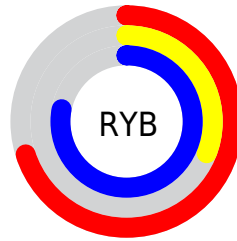
The XYZ color **31.6236, 19.1560, 56.0636** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **26.8362, 43.9941, 14.2858**, and the grayscale version is **18.3724, 19.3292, 21.0495**.

A 20% lighter version of the original color is **61.3626, 41.9996, 99.4803**, and **13.3877, 6.5952, 26.9529** is the 20% darker color. If you saturate the color by 10%, you get **29.6667, 16.3568, 55.6267**, and if you desaturate by 10%, it is **34.0278, 22.8215, 56.6447**.

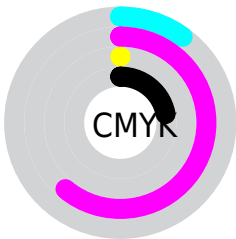
Distribution



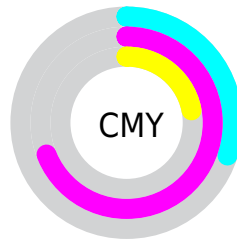
- Red (70%)
- Green (31%)
- Blue (78%)



- Red (70%)
- Yellow (31%)
- Blue (78%)



- Cyan (10%)
- Magenta (61%)
- Yellow (0%)
- Black (22%)



- Cyan (30%)
- Magenta (69%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6236, 19.1560, 56.0636 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 31.6236, 19.1560, 56.0636 by changing the saturation by 10% instead.

■ 31.6236, 19.1560,
56.0636

■ 31.6236, 19.1560,
56.0636

301.1769,
247.3086, 427.3262

■ 21.2283, 11.7831,
39.8496

■ 61.5897, 41.9975,
100.5843

■ 13.4044, 6.5961,
27.1084

■ 81.8913, 58.2349,
129.7280

■ 7.7865, 3.2108,
17.4215

■ 106.2256, 78.1959,
164.0188

■ 4.0093, 1.2428,
10.3703

■ 134.9582,
102.2649, 203.8750

■ 1.7074, 0.0962,
5.5364

■ 168.4542,
130.8262, 249.7154

■ 0.4609, 0.0000,
2.5011

207.0791,

■ 0.0000, 0.0000,

164.2644, 301.9583

0.8407

251.1982,
202.9637, 361.0224

■ 0.0000, 0.0000,
0.0000

■ 31.6236, 19.1560,
56.0636

■ 31.6236, 19.1560,
56.0636

■ 29.6667, 16.3568,
55.6267

■ 34.0278, 22.8215,
56.6447

■ 28.1148, 14.3415,
55.3195

■ 36.9121, 27.4209,
57.3805

■ 26.9211, 13.0159,
55.1266

■ 40.3088, 33.0179,
58.2817

■ 26.0576, 12.2423,
55.0228

■ 44.2467, 39.6697,
59.3581

■ 48.7523, 47.4293,
60.6184

■ 53.8505, 56.3461,
62.0708

■ 59.5644, 66.4666,
63.7231

■ 65.9162, 77.8344,
65.5826

■ 72.2515, 89.1412,
67.4311

Harmonies

Analogous

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



24.0296, 19.1560, 83.9448



31.6236, 19.1560, 56.0636



35.8228, 19.1560, 26.6803

Triad

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



31.6236, 19.1560, 56.0636



20.1406, 19.1560, 1.0340



8.1110, 19.1560, 39.9849

Complementary

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



31.6236, 19.1560, 56.0636



26.8362, 43.9941, 14.2858

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.



7.5875, 19.1560, 15.9504



31.6236, 19.1560, 56.0636



13.4106, 19.1560, 1.4306

Square

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



31.6236, 19.1560, 56.0636



28.1381, 19.1560, 2.5278



9.2506, 19.1560, 4.7251



10.9402, 19.1560, 71.1187

Rectangle

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



31.6236, 19.1560, 56.0636



35.5183, 19.1560, 13.4523



9.2506, 19.1560, 4.7251



7.6965, 19.1560, 30.5779

Sweetspot

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



31.6243, 19.1568, 56.0640



79.3788, 72.7194, 104.4603



17.8347, 14.5107, 55.8940



16.5169, 14.7555, 22.2275



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.



31.6243, 19.1568, 56.0640



50.9814, 27.3422, 97.1983



32.5073, 20.0833, 34.8134



10.9044, 10.7245, 13.4128



16.8188, 7.9047, 35.3837



0.8435, 0.3986, 1.6776

Inverse Universe

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



28.4828, 18.4735, 13.6205



45.6407, 26.4105, 14.6520



26.8558, 43.7830, 24.2800



10.7042, 10.6651, 11.4256



15.3428, 7.8867, 1.7490



0.7495, 0.3826, 0.2038

Previews

White Background



This preview shows how the XYZ color 31.6236, 19.1560, 56.0636 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 31.6236, 19.1560, 56.0636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

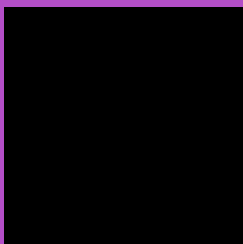
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6236, 19.1560, 56.0636

Background



This preview shows how black text looks on a background with the XYZ color 31.6236, 19.1560, 56.0636.

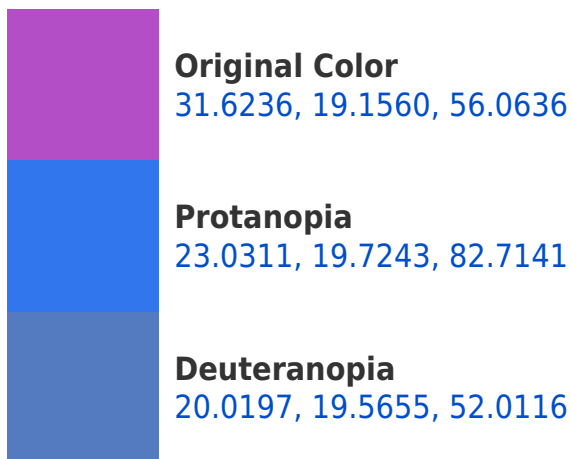


This preview shows how white text looks on a background with the XYZ color 31.6236, 19.1560,

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

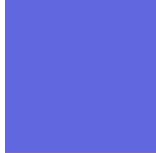
23.6558, 19.0637, 17.4718

Trichromacy



Original Color

31.6236, 19.1560, 56.0636



Protanomaly

22.9934, 17.5150, 71.9809



Deuteranomaly

22.4994, 18.1250, 53.3516



Tritanomaly

25.7552, 18.6465, 28.2283

Monochromacy



Original Color

31.6236, 19.1560, 56.0636



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.9867, 18.3497, 31.2372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6236, 19.1560, 56.0636 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(179, 78, 199)` looks like.

```
.text, #text, p{  
    color:rgb(179, 78, 199)  
}
```

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(179, 78, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 78, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.6236, 19.1560, 56.0636 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(179, 78, 199) }
```


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

```
.border{ border-color:rgb(179, 78, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 78, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 78, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 78, 199);  
box-shadow:4px 4px 4px 4px rgb(179, 78,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6236, 19.1560, 56.0636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 78, 199) }
```

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

```
.background{ background-color: rgb(179, 78,  
199) }
```

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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