

Converting Colors

XYZ(28.0330, 19.8384, 31.1817)

Have a look what the booklet for
XYZ(28.0330, 19.8384, 31.1817)
contains.

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Color

**XYZ(28.1876, 19.9701,
31.2231)**

Conversions

Conversions Part 1

Format	Color
Hex	B35F96
RGB	179, 95, 150
RGB Percent	70%, 37%, 59%
CMY	0.2980, 0.6274, 0.4118
CMYK	0.00, 0.47, 0.16, 0.30
HSL	321°, 36%, 54%
HSV	321°, 47%, 70%
XYZ	28.1876, 19.9701, 31.2231
YIQ	126.3860, 32.4090, 34.9130

Conversions

Conversions Part 2

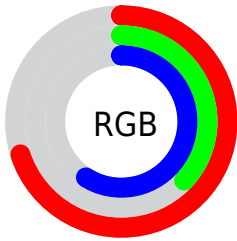
Format	Color
R_{YB}	179, 95, 150
Decimal	11755414
CIE _{Lab}	51.80, 41.18, -14.98
CIE _{LCh}	52, 43.820, 340.004
Yxy	19.9701, 0.3551, 0.2516
Android (android.graphics.Color)	4289945494 (0xFFB35F96)
YUV	126.3860, 11.6417, 46.1425
Hunter-Lab	44.6879, 34.3878, -10.1439

Details

The XYZ color **28.1876, 19.9701, 31.2231** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **24.4784, 36.1289, 24.7537**, and the grayscale version is **19.9170, 20.9543, 22.8192**.

A 20% lighter version of the original color is **56.0811, 43.3723, 62.5426**, and **11.4650, 6.9873, 12.5488** is the 20% darker color. If you saturate the color by 10%, you get **26.2720, 16.9143, 28.1938**, and if you desaturate by 10%, it is **30.5011, 23.7792, 34.5150**.

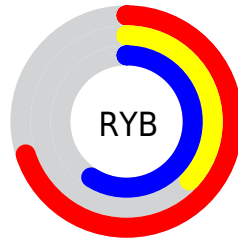
Distribution



Red (70%)

Green (37%)

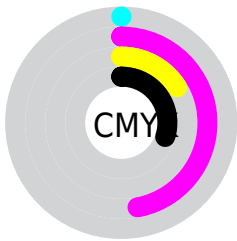
Blue (59%)



Red (70%)

Yellow (37%)

Blue (59%)

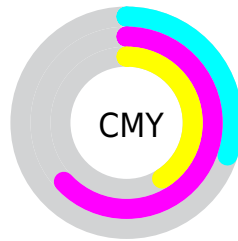


Cyan (0%)

Magenta (47%)

Yellow (16%)

Black (30%)



Cyan (30%)


Magenta (63%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1876, 19.9701, 31.2231 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 28.1876, 19.9701, 31.2231 by changing the saturation by 10% instead.


 28.1876, 19.9701,
31.2231


 28.1876, 19.9701,
31.2231


285.4261,
251.7532, 321.9478


 18.6083, 12.3733,
20.5089


 56.1904, 43.3670,
62.6748


 11.4899, 6.9985,
12.5778


 75.3445, 59.9360,
84.2495

 6.4671, 3.4611,
7.0112


 98.4211, 80.2645,
110.2813

 3.1745, 1.3770,
3.3905

 125.7853,
104.7368, 141.1889

 1.2467, 0.1996,
1.2973

157.8025,
133.7375, 177.3908

 0.1428, 0.0000,
0.0596

194.8382,

 0.0000, 0.0000,

167.6508, 219.3056

0.0000

237.2576,
206.8613, 267.3517

■ 28.1876, 19.9701,
31.2231

■ 28.1876, 19.9701,
31.2231

■ 26.2720, 16.9143,
28.1938

■ 30.5011, 23.7792,
34.5150

■ 24.7265, 14.5573,
25.4151

■ 33.2343, 28.3854,
38.0781

■ 23.5220, 12.8420,
22.8757


■ 36.4097, 33.8327,
41.9218


■ 22.6246, 11.7006,
20.5620


■ 40.0474, 40.1608,
46.0549


■ 21.9861, 11.0376,
18.4560


■ 44.1664, 47.4070,
50.4854

 21.8132, 10.8728,
17.8402

 48.7845, 55.6064,
55.2211

 53.9186, 64.7923,
60.2693

 59.5849, 74.9964,
65.6371

 65.4451, 85.5416,
71.2134

Harmonies

Analogous

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



25.0154, 19.9701, 46.3667



28.1876, 19.9701, 31.2231



28.6916, 19.9701, 17.7671

Triad

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



28.1876, 19.9701, 31.2231



17.5362, 19.9701, 5.4593



13.1634, 19.9701, 41.5542

Complementary

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



28.1876, 19.9701, 31.2231



24.4784, 36.1289, 24.7537

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.



11.7534, 19.9701, 26.2741



28.1876, 19.9701, 31.2231



14.0046, 19.9701, 7.8772

Square

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



28.1876, 19.9701, 31.2231



22.0528, 19.9701, 5.9099



12.0352, 19.9701, 14.4085



16.2085, 19.9701, 53.7656

Rectangle

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



28.1876, 19.9701, 31.2231



27.3762, 19.9701, 11.6656



12.0352, 19.9701, 14.4085



12.5058, 19.9701, 36.4063

Sweetspot

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



28.1882, 19.9710, 31.2235



66.8771, 63.4822, 77.0190



20.3982, 15.6511, 44.5940



14.5216, 13.5535, 16.7214



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.1882, 19.9710, 31.2235



47.0458, 30.2828, 50.4831



25.4437, 18.8732, 16.7710



8.7229, 8.5959, 10.0392



15.4456, 7.6958, 12.7727



0.5122, 0.2526, 0.5397

Inverse Universe

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



28.1882, 19.9710, 31.2235



47.0458, 30.2828, 50.4831



27.6316, 37.3902, 41.3586



8.7229, 8.5959, 10.0392



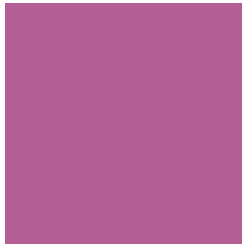
15.4456, 7.6958, 12.7727



0.5122, 0.2526, 0.5397

Previews

White Background



This preview shows how the XYZ color 28.1876, 19.9701, 31.2231 looks on a white background.

Color Contrast Check

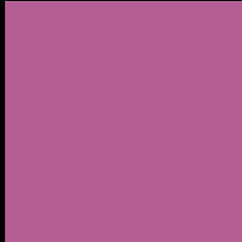
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1876, 19.9701, 31.2231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

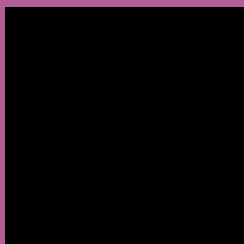
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.1876, 19.9701, 31.2231

Background



This preview shows how black text looks on a background with the XYZ color 28.1876, 19.9701, 31.2231.



This preview shows how white text looks on a background with the XYZ color 28.1876, 19.9701,

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

28.1876, 19.9701, 31.2231

Protanopia

20.6456, 20.1363, 40.8288

Deuteranopia

20.6299, 20.1857, 30.0030



Tritanopia

25.3987, 19.9622, 17.5533

Trichromacy



Original Color

28.1876, 19.9701, 31.2231

Protanomaly

22.3967, 19.3836, 37.2113

Deuteranomaly

22.7377, 19.7147, 30.2107

Tritanomaly

26.1633, 19.8251, 21.8497

Monochromacy



Original Color

28.1876, 19.9701, 31.2231

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.1810, 20.0305, 25.6189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1876, 19.9701, 31.2231 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, 95, 150)` looks like.

```
.text, #text, p{  
    color:rgb(179, 95, 150)  
}
```

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, 95, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 95, 150) }
```

Border

The CSS property to change the border of an element to XYZ 28.1876, 19.9701, 31.2231 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, 95, 150) }
```


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

```
.border{ border-color:rgb(179, 95, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 95, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 95, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 95, 150);  
box-shadow:4px 4px 4px 4px rgb(179, 95,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1876, 19.9701, 31.2231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 95, 150) }
```

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

```
.background{ background-color: rgb(179, 95,  
150) }
```

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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