

Converting Colors

XYZ(31.5563, 18.5980, 30.6140)

Have a look what the booklet for
XYZ(31.5563, 18.5980, 30.6140)
contains.

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Color

**XYZ(31.5996, 18.6338,
30.7854)**

Conversions

Conversions Part 1

Format	Color
Hex	C94396
RGB	201, 67, 150
RGB Percent	79%, 26%, 59%
CMY	0.2118, 0.7372, 0.4118
CMYK	0.00, 0.67, 0.25, 0.21
HSL	323°, 55%, 53%
HSV	323°, 67%, 79%
XYZ	31.5996, 18.6338, 30.7854
YIQ	116.5280, 53.2210, 54.2210

Conversions

Conversions Part 2

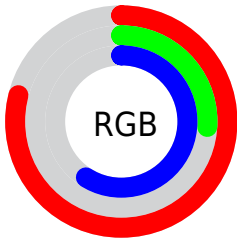
Format	Color
R _Y B	201, 67, 150
Decimal	13190038
CIE Lab	50.26, 60.79, -17.03
CIE LCh	50, 63.134, 344.348
Yxy	18.6338, 0.3900, 0.2300
Android (android.graphics.Color)	4291380118 (0xFFC94396)
YUV	116.5280, 16.5017, 74.0819
Hunter-Lab	43.1669, 55.1259, -12.0671

Details

The XYZ color **31.5996, 18.6338, 30.7854** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **26.4724, 44.2752, 24.2925**, and the grayscale version is **16.7029, 17.5727, 19.1367**.

A 20% lighter version of the original color is **59.3467, 40.0349, 61.7263**, and **13.5798, 6.7405, 12.3897** is the 20% darker color. If you saturate the color by 10%, you get **30.0092, 16.4067, 27.3144**, and if you desaturate by 10%, it is **33.6460, 21.7079, 34.6072**.

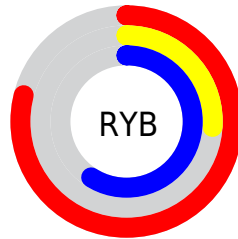
Distribution



Red (79%)

Green (26%)

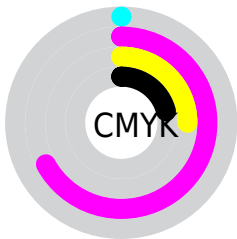
Blue (59%)



Red (79%)

Yellow (26%)

Blue (59%)

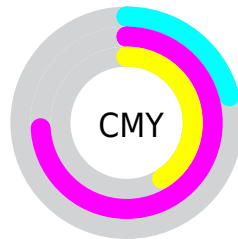


Cyan (0%)

Magenta (67%)

Yellow (25%)

Black (21%)



Cyan (21%)


Magenta (74%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5996, 18.6338, 30.7854 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 31.5996, 18.6338, 30.7854 by changing the saturation by 10% instead.


 31.5996, 18.6338,
30.7854


 31.5996, 18.6338,
30.7854


301.0690,
244.4196, 319.8690


 21.2099, 11.4060,
20.1784


 61.5523, 41.1144,
61.9777


 13.3909, 6.3406,
12.3394


 81.8460, 57.1359,
83.4000


 7.7771, 3.0533,
6.8499


 106.1718, 76.8575,
109.2645

 4.0032, 1.1596,
3.2914

 134.8950,
100.6635, 139.9898

 1.7040, 0.0283,
1.2453

 168.3810,
128.9383, 175.9943

 0.4588, 0.0000,
0.0163

206.9951,

 0.0000, 0.0000,

162.0663, 217.6967

0.0000

251.1026,
200.4320, 265.5154

■ 31.5996, 18.6338,
30.7854

■ 31.5996, 18.6338,
30.7854

■ 30.0092, 16.4067,
27.3144

■ 33.6460, 21.7079,
34.6072

■ 28.8271, 14.9334,
24.1741

■ 36.1859, 25.7038,
38.7954

■ 27.9943, 14.0968,
21.3410

■ 39.2548, 30.6911,
43.3657

■ 27.7571, 13.8854,
20.4510

■ 42.8844, 36.7318,
48.3320

■ 47.1037, 43.8830,
53.7074

■ 51.9397, 52.1976,
59.5042

■ 57.4177, 61.7250,
65.7341

■ 63.5614, 72.5119,
72.4081

■ 70.3935, 84.6023,
79.5369

Harmonies

Analogous

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



27.2555, 18.6338, 55.1046



31.5996, 18.6338, 30.7854



31.7015, 18.6338, 13.0426

Triad

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



31.5996, 18.6338, 30.7854



14.9567, 18.6338, 2.0343



10.5692, 18.6338, 54.0571

Complementary

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



31.5996, 18.6338, 30.7854



26.4724, 44.2752, 24.2925

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.



8.5945, 18.6338, 29.8188



31.5996, 18.6338, 30.7854



10.7038, 18.6338, 4.4880

Square

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



31.5996, 18.6338, 30.7854



21.0726, 18.6338, 2.0774



8.6374, 18.6338, 12.4992



14.7271, 18.6338, 72.9768

Rectangle

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



31.5996, 18.6338, 30.7854



29.2863, 18.6338, 6.6125



8.6374, 18.6338, 12.4992



9.6755, 18.6338, 45.8023

Sweetspot

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



31.6002, 18.6348, 30.7857



77.9135, 70.4780, 88.5410



19.7711, 11.9547, 56.5241



16.2364, 14.3390, 18.3902



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.



31.6002, 18.6348, 30.7857



50.3950, 26.8161, 44.3004



27.7298, 17.0866, 10.4044



10.9054, 10.7455, 12.4849



17.4983, 8.7489, 13.0998



0.8630, 0.4281, 0.8019

Inverse Universe

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



31.6002, 18.6348, 30.7857



50.3950, 26.8161, 44.3004



31.7633, 46.3916, 52.1537



10.9054, 10.7455, 12.4849



17.4983, 8.7489, 13.0998



0.8630, 0.4281, 0.8019

Previews

White Background



This preview shows how the XYZ color 31.5996, 18.6338, 30.7854 looks on a white background.

Color Contrast Check

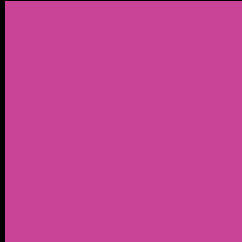
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5996, 18.6338, 30.7854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

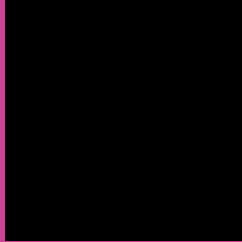
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5996, 18.6338, 30.7854

Background



This preview shows how black text looks on a background with the XYZ color 31.5996, 18.6338, 30.7854.



This preview shows how white text looks on a background with the XYZ color 31.5996, 18.6338,

30.7854.

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

31.5996, 18.6338, 30.7854

Protanopia

20.1716, 18.9674, 50.1749

Deuteranopia

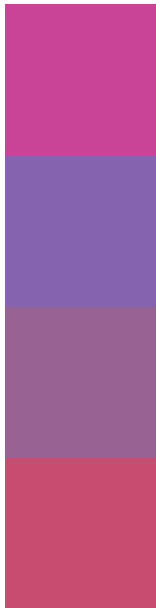
19.2044, 18.7707, 28.5975



Tritanopia

27.6614, 18.6435, 11.5918

Trichromacy



Original Color

31.5996, 18.6338, 30.7854

Protanomaly

21.7747, 16.9662, 42.1716

Deuteranomaly

22.2278, 17.4830, 29.3972

Tritanomaly

28.8118, 18.4612, 17.0837

Monochromacy



Original Color

31.5996, 18.6338, 30.7854

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

20.6370, 16.8046, 22.9248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5996, 18.6338, 30.7854 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(201, 67, 150)` looks like.

```
.text, #text, p{  
    color:rgb(201, 67, 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(201, 67, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 67, 150) }
```

Border

The CSS property to change the border of an element to XYZ 31.5996, 18.6338, 30.7854 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(201, 67, 150) }
```


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

```
.border{ border-color:rgb(201, 67, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 67, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 67, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 67, 150);  
box-shadow:4px 4px 4px 4px rgb(201, 67,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5996, 18.6338, 30.7854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 67, 150) }
```

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

```
.background{ background-color: rgb(201, 67,  
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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