

Converting Colors

XYZ(31.7565, 19.9906, 27.4020)

Have a look what the booklet for
XYZ(31.7565, 19.9906, 27.4020)
contains.

XYZ(31.6911, 19.9326, 27.3764)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.6911, 19.9326,
27.3764)**

Conversions

Conversions Part 1

Format	Color
Hex	C94F8D
RGB	201, 79, 141
RGB Percent	79%, 31%, 55%
CMY	0.2118, 0.6902, 0.4471
CMYK	0.00, 0.61, 0.30, 0.21
HSL	330°, 53%, 55%
HSV	330°, 61%, 79%
XYZ	31.6911, 19.9326, 27.3764
YIQ	122.5460, 52.8100, 45.1460

Conversions

Conversions Part 2

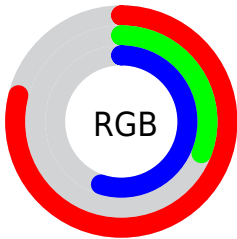
Format	Color
R_{YB}	201, 79, 141
Decimal	13193101
CIE _{Lab}	51.76, 54.64, -9.40
CIE _{LCh}	52, 55.443, 350.236
Yxy	19.9326, 0.4012, 0.2523
Android (android.graphics.Color)	4291383181 (0xFFC94F8D)
YUV	122.5460, 9.0978, 68.8042
Hunter-Lab	44.6459, 48.5745, -5.1038

Details

The XYZ color **31.6911, 19.9326, 27.3764** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **28.7724, 45.3002, 31.6560**, and the grayscale version is **18.6372, 19.6078, 21.3529**.

A 20% lighter version of the original color is **59.6154, 42.2503, 56.6428**, and **13.4013, 6.9656, 10.5357** is the 20% darker color. If you saturate the color by 10%, you get **29.7511, 17.1777, 23.2611**, and if you desaturate by 10%, it is **34.1361, 23.5922, 31.9844**.

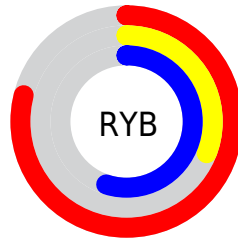
Distribution



Red (79%)

Green (31%)

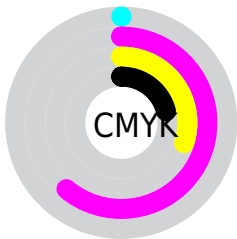
Blue (55%)



Red (79%)

Yellow (31%)

Blue (55%)

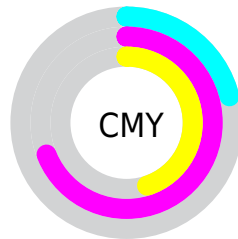


Cyan (0%)

Magenta (61%)

Yellow (30%)

Black (21%)



Cyan (21%)

Magenta (69%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6911, 19.9326, 27.3764 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 31.6911, 19.9326, 27.3764 by changing the saturation by 10% instead.

■ 31.6911, 19.9326,
27.3764

■ 31.6911, 19.9326,
27.3764

301.4801,
251.5500, 303.2926

■ 21.2801, 12.3461,
17.6212

■ 61.6950, 43.3042,
56.4983

■ 13.4425, 6.9798,
10.5117

■ 82.0186, 59.8580,
76.7021

■ 7.8130, 3.4495,
5.6295

■ 106.3770, 80.1696,
101.2259

■ 4.0264, 1.3707,
2.5560

■ 135.1357,
104.6236, 130.4881

■ 1.7171, 0.1949,
0.8696

■ 168.6600,
133.6042, 164.9074

■ 0.4669, 0.0000,
0.0000

207.3153,

■ 0.0000, 0.0000,

167.4959, 204.9022

0.0000

251.4668,
206.6830, 250.8911

■ 31.6911, 19.9326,
27.3764

■ 31.6911, 19.9326,
27.3764

■ 29.7511, 17.1777,
23.2611

■ 34.1361, 23.5922,
31.9844

■ 28.2719, 15.2420,
19.6148

■ 37.1219, 28.2257,
37.1045

■ 27.2036, 14.0287,
16.4123

■ 40.6827, 33.8991,
42.7563

■ 26.4928, 13.3797,
13.7937

■ 44.8494, 40.6716,
48.9575

■ 49.6506, 48.5979,
55.7250

■ 55.1130, 57.7292,
63.0749

■ 61.2617, 68.1135,
71.0224

■ 68.1205, 79.7962,
79.5821

■ 74.1265, 89.6491,
88.2396

Harmonies

Analogous

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



28.5076, 19.9326, 48.0729



31.6911, 19.9326, 27.3764



30.9783, 19.9326, 12.6741

Triad

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



31.6911, 19.9326, 27.3764



15.4533, 19.9326, 3.7048



12.8484, 19.9326, 55.1723

Complementary

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



31.6911, 19.9326, 27.3764



28.7724, 45.3002, 31.6560

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.



10.5183, 19.9326, 34.2409



31.6911, 19.9326, 27.3764



11.8033, 19.9326, 7.3317

Square

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



31.6911, 19.9326, 27.3764



20.8346, 19.9326, 3.2736



10.1778, 19.9326, 16.8735



17.1739, 19.9326, 68.6161

Rectangle

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



31.6911, 19.9326, 27.3764



28.4326, 19.9326, 7.2376



10.1778, 19.9326, 16.8735



11.8450, 19.9326, 48.4049

Sweetspot

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



31.6917, 19.9336, 27.3768



78.6910, 72.7604, 86.5576



23.8155, 15.2108, 56.9392



16.3521, 14.7679, 17.8201



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.



31.6917, 19.9336, 27.3768



50.0098, 28.1582, 37.6596



28.3706, 18.6052, 9.8884



10.8550, 10.7254, 12.2197



16.7040, 8.4312, 8.9172



0.8275, 0.4138, 0.6146

Inverse Universe

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



31.6917, 19.9336, 27.3768



50.0098, 28.1582, 37.6596



34.4167, 47.5579, 61.3783



10.8550, 10.7254, 12.2197



16.7040, 8.4312, 8.9172



0.8275, 0.4138, 0.6146

Previews

White Background



This preview shows how the XYZ color 31.6911, 19.9326, 27.3764 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 31.6911, 19.9326, 27.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

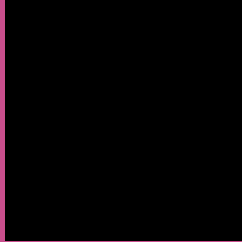
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6911, 19.9326, 27.3764

Background



This preview shows how black text looks on a background with the XYZ color 31.6911, 19.9326, 27.3764.



This preview shows how white text looks on a background with the XYZ color 31.6911, 19.9326,

27.3764.

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

31.6911, 19.9326, 27.3764

Protanopia

20.7406, 20.1743, 41.3290

Deuteranopia

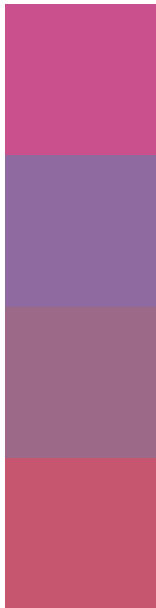
20.4497, 20.0075, 25.7057



Tritanopia

28.6639, 19.8413, 13.1455

Trichromacy



Original Color

31.6911, 19.9326, 27.3764

Protanomaly

22.8269, 18.6858, 35.6613

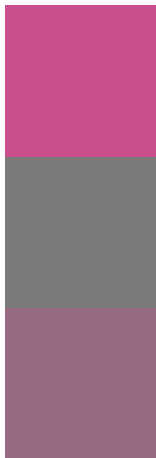
Deuteranomaly

23.2772, 18.9772, 26.1030

Tritanomaly

29.4618, 19.6726, 17.5736

Monochromacy



Original Color

31.6911, 19.9326, 27.3764

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

22.0495, 18.7064, 23.5677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6911, 19.9326, 27.3764 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, 79, 141)` looks like.

```
.text, #text, p{  
    color:rgb(201, 79, 141)  
}
```

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, 79, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 79, 141) }
```

Border

The CSS property to change the border of an element to XYZ 31.6911, 19.9326, 27.3764 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, 79, 141) }
```


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

```
.border{ border-color:rgb(201, 79, 141) }
```

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

Here you see how a box with a 4 pixel rgb(201, 79, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 79, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 79, 141);  
box-shadow:4px 4px 4px 4px rgb(201, 79,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6911, 19.9326, 27.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 79, 141) }
```

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

```
.background{ background-color: rgb(201, 79,  
141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor