

Converting Colors

XYZ(29.9012, 19.2210, 20.6644)

Have a look what the booklet for
XYZ(29.9012, 19.2210, 20.6644)
contains.

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Color

**XYZ(29.9347, 19.2846,
20.5569)**

Conversions

Conversions Part 1

Format	Color
Hex	C7507A
RGB	199, 80, 122
RGB Percent	78%, 31%, 48%
CMY	0.2196, 0.6862, 0.5216
CMYK	0.00, 0.60, 0.39, 0.22
HSL	339°, 52%, 55%
HSV	339°, 60%, 78%
XYZ	29.9347, 19.2846, 20.5569
YIQ	120.3690, 57.4420, 38.2900

Conversions

Conversions Part 2

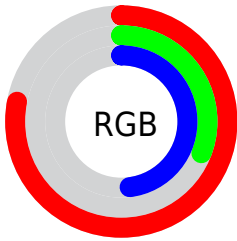
Format	Color
R_{YB}	199, 80, 122
Decimal	13062266
CIE _{Lab}	51.02, 51.31, 0.81
CIE _{LCh}	51, 51.319, 0.909
Yxy	19.2846, 0.4290, 0.2764
Android (android.graphics.Color)	4291252346 (0xFFC7507A)
YUV	120.3690, 0.8041, 68.9594
Hunter-Lab	43.9142, 44.8269, 2.9854

Details

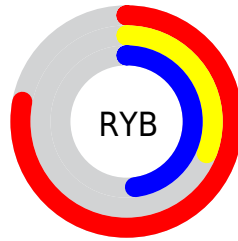
The XYZ color **29.9347, 19.2846, 20.5569** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **29.8186, 44.9871, 39.0130**, and the grayscale version is **17.9562, 18.8913, 20.5726**.

A 20% lighter version of the original color is **57.4051, 41.3662, 45.0033**, and **12.4707, 6.6574, 7.1063** is the 20% darker color. If you saturate the color by 10%, you get **27.9416, 16.4918, 16.2134**, and if you desaturate by 10%, it is **32.4660, 22.9845, 25.6018**.

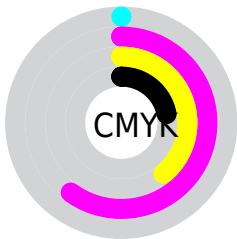
Distribution



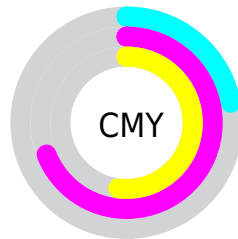
- Red (78%)
- Green (31%)
- Blue (48%)



- Red (78%)
- Yellow (31%)
- Blue (48%)



- Cyan (0%)
- Magenta (60%)
- Yellow (39%)
- Black (22%)





- Cyan (22%)
- Magenta (69%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9347, 19.2846, 20.5569 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 29.9347, 19.2846, 20.5569 by changing the saturation by 10% instead.


 29.9347, 19.2846,
20.5569


 29.9347, 19.2846,
20.5569


293.5152,
248.0154, 267.6175


 19.9369, 11.8761,
12.6124

 58.9462, 42.2145,
45.2201


 12.4571, 6.6594,
7.0346


 78.6906, 58.5046,
62.7759


 7.1302, 3.2500,
3.4050


 102.4146, 78.5241,
84.3725

 3.5907, 1.2636,
1.3050

 130.4835,
102.6573, 110.4286

 1.4733, 0.1128,
0.0658

 163.2626,
131.2887, 141.3625

 0.3076, 0.0000,
0.0000

201.1174,

 0.0000, 0.0000,

164.8025, 177.5930

0.0000

244.4131,
203.5833, 219.5384

■ 29.9347, 19.2846,
20.5569

■ 29.9347, 19.2846,
20.5569

■ 27.9416, 16.4918,
16.2134

■ 32.4660, 22.9845,
25.6018

■ 26.4416, 14.5228,
12.5354

■ 35.5724, 27.6590,
31.3792

■ 25.3844, 13.2836,
9.4846

■ 39.2891, 33.3730,
37.9192

■ 24.6787, 12.5994,
7.0073

■ 43.6482, 40.1846,
45.2498

■ 24.6659, 12.5872,
6.9618

■ 48.6791, 48.1476,
53.3977

■ 54.4098, 57.3123,
62.3880

■ 60.8663, 67.7261,
72.2448

■ 68.0733, 79.4336,
82.9912

■ 74.7303, 89.8290,
94.2079

Harmonies

Analogous

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



28.2596, 19.2846, 37.7486



29.9347, 19.2846, 20.5569



28.0533, 19.2846, 9.6558

Triad

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



29.9347, 19.2846, 20.5569



13.7554, 19.2846, 4.9788



13.9783, 19.2846, 56.1610

Complementary

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



29.9347, 19.2846, 20.5569



29.8186, 44.9871, 39.0130

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.



11.1606, 19.2846, 38.8967



29.9347, 19.2846, 20.5569



11.0496, 19.2846, 10.1211

Square

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



29.9347, 19.2846, 20.5569



18.1749, 19.2846, 3.6076



10.1942, 19.2846, 21.4447



18.4849, 19.2846, 63.2322

Rectangle

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



29.9347, 19.2846, 20.5569



25.2049, 19.2846, 5.9084



10.1942, 19.2846, 21.4447



12.8340, 19.2846, 51.0571

Sweetspot

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



29.9352, 19.2856, 20.5572



77.6964, 72.3626, 81.3201



26.7665, 16.8670, 55.8777



16.1108, 14.6714, 16.5494



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.



29.9352, 19.2856, 20.5572



47.9765, 27.6006, 26.1636



29.1727, 21.0639, 10.1190



10.7859, 10.6977, 11.8557



15.8987, 8.1090, 4.6763



0.7872, 0.3977, 0.4026

Inverse Universe

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



29.9352, 19.2856, 20.5572



47.9765, 27.6006, 26.1636



30.5788, 39.7517, 60.0939



10.7859, 10.6977, 11.8557



15.8987, 8.1090, 4.6763



0.7872, 0.3977, 0.4026

Previews

White Background



This preview shows how the XYZ color 29.9347, 19.2846, 20.5569 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 29.9347, 19.2846, 20.5569 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 29.9347, 19.2846, 20.5569

Background



This preview shows how black text looks on a background with the XYZ color 29.9347, 19.2846, 20.5569.



This preview shows how white text looks on a background with the XYZ color 29.9347, 19.2846,

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

29.9347, 19.2846, 20.5569

Protanopia

19.4400, 19.5632, 30.3552

Deuteranopia

19.7842, 19.4521, 19.2349



Tritanopia

28.2855, 19.2986, 12.3594

Trichromacy



Original Color

29.9347, 19.2846, 20.5569

Protanomaly

21.7741, 18.3461, 26.4383

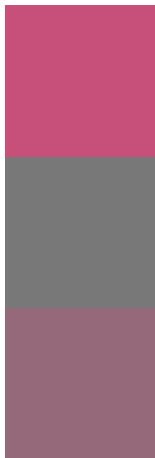
Deuteranomaly

22.5184, 18.5796, 19.5389

Tritanomaly

28.9072, 19.3257, 15.0386

Monochromacy



Original Color

29.9347, 19.2846, 20.5569

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.8972, 17.8732, 20.4376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9347, 19.2846, 20.5569 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(199, 80, 122)` looks like.

```
.text, #text, p{  
    color:rgb(199, 80, 122)  
}
```

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(199, 80, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 80, 122) }
```

Border

The CSS property to change the border of an element to XYZ 29.9347, 19.2846, 20.5569 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(199, 80, 122) }
```


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

```
.border{ border-color:rgb(199, 80, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 80, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 80, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 80, 122);  
box-shadow:4px 4px 4px 4px rgb(199, 80,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9347, 19.2846, 20.5569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 80, 122) }
```

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

```
.background{ background-color: rgb(199, 80,  
122) }
```

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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