

Converting Colors

XYZ(31.1699, 18.8009, 20.0548)

Have a look what the booklet for
XYZ(31.1699, 18.8009, 20.0548)
contains.

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Color

**XYZ(31.3114, 18.9021,
20.0873)**

Conversions

Conversions Part 1

Format	Color
Hex	CF4579
RGB	207, 69, 121
RGB Percent	81%, 27%, 47%
CMY	0.1882, 0.7294, 0.5255
CMYK	0.00, 0.67, 0.42, 0.19
HSL	337°, 59%, 54%
HSV	337°, 67%, 81%
XYZ	31.3114, 18.9021, 20.0873
YIQ	116.1900, 65.5560, 45.4280

Conversions

Conversions Part 2

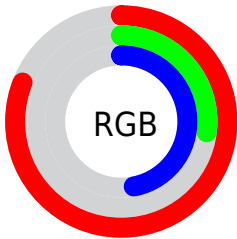
Format	Color
R_{YB}	207, 69, 121
Decimal	13583737
CIE _{Lab}	50.57, 58.37, 0.93
CIE _{LCh}	51, 58.379, 0.908
Yxy	18.9021, 0.4454, 0.2689
Android (android.graphics.Color)	4291773817 (0xFFCF4579)
YUV	116.1900, 2.3713, 79.6404
Hunter-Lab	43.4765, 52.4701, 3.0401

Details

The XYZ color **31.3114, 18.9021, 20.0873** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **30.6847, 48.2579, 38.7112**, and the grayscale version is **16.6385, 17.5050, 19.0630**.

A 20% lighter version of the original color is **56.1164, 38.9444, 44.0945**, and **13.4153, 6.7769, 6.9043** is the 20% darker color. If you saturate the color by 10%, you get **29.5138, 16.4894, 15.8424**, and if you desaturate by 10%, it is **33.6599, 22.2471, 25.0381**.

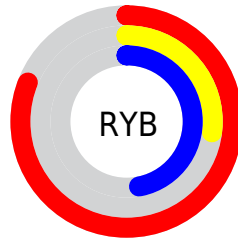
Distribution



Red (81%)

Green (27%)

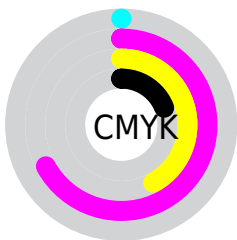
Blue (47%)



Red (81%)

Yellow (27%)

Blue (47%)

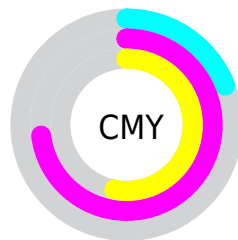


Cyan (0%)

Magenta (67%)

Yellow (42%)

Black (19%)



Cyan (19%)


Magenta (73%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3114, 18.9021, 20.0873 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 31.3114, 18.9021, 20.0873 by changing the saturation by 10% instead.


 31.3114, 18.9021,
20.0873


 31.3114, 18.9021,
20.0873


299.7717,
245.9078, 265.0072


 20.9891, 11.5996,
12.2738


 61.1025, 41.5686,
44.4244


 13.2284, 6.4716,
6.8056


 81.3020, 57.7014,
61.7851


 7.6641, 3.1339,
3.2642


 105.5246, 77.5463,
83.1652

 3.9308, 1.2020,
1.2311

 134.1357,
101.4878, 108.9834

 1.6630, 0.0634,
0.0043

 167.5006,
129.9104, 139.6582

 0.4330, 0.0000,
0.0000

205.9847,

 0.0000, 0.0000,

163.1983, 175.6080

0.0000

249.9532,
201.7359, 217.2515

■ 31.3114, 18.9021,
20.0873

■ 31.3114, 18.9021,
20.0873

■ 29.5138, 16.4894,
15.8424

■ 33.6599, 22.2471,
25.0381

■ 28.2127, 14.9073,
12.2644

■ 36.6031, 26.6059,
30.7285

■ 27.3414, 14.0291,
9.3091

■ 40.1821, 32.0547,
37.1908

■ 27.1069, 13.8153,
8.4443

■ 44.4337, 38.6614,
44.4546

■ 49.3918, 46.4884,
52.5482

■ 55.0879, 55.5934,
61.4982

■ 61.5516, 66.0305,
71.3299

■ 68.8108, 77.8509,
82.0676

■ 76.7937, 90.9060,
93.7017

Harmonies

Analogous

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



29.3523, 18.9021, 39.9371



31.3114, 18.9021, 20.0873



29.1118, 18.9021, 8.2974

Triad

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



31.3114, 18.9021, 20.0873



12.9015, 18.9021, 3.6847



13.1444, 18.9021, 62.0270

Complementary

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



31.3114, 18.9021, 20.0873



30.6847, 48.2579, 38.7112

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.



10.1044, 18.9021, 41.2938



31.3114, 18.9021, 20.0873



9.9864, 18.9021, 8.7770

Square

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



31.3114, 18.9021, 20.0873



17.7926, 18.9021, 2.4428



9.0810, 18.9021, 21.0831



18.1403, 18.9021, 70.6568

Rectangle

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



31.3114, 18.9021, 20.0873



25.8052, 18.9021, 4.5630



9.0810, 18.9021, 21.0831



11.9006, 18.9021, 55.8429

Sweetspot

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



31.3119, 18.9031, 20.0876



76.1812, 69.7851, 79.4192



26.7372, 15.6424, 60.6414



15.8222, 14.1733, 16.2093



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.



31.3119, 18.9031, 20.0876



46.3111, 25.1825, 22.7945



30.0635, 20.2091, 7.9478



11.9904, 11.8809, 13.2250



17.1212, 8.7213, 5.5442



0.9954, 0.5029, 0.5106

Inverse Universe

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



31.3119, 18.9031, 20.0876



46.3111, 25.1825, 22.7945



32.3265, 42.9888, 65.6252



11.9904, 11.8809, 13.2250



17.1212, 8.7213, 5.5442



0.9954, 0.5029, 0.5106

Previews

White Background



This preview shows how the XYZ color 31.3114, 18.9021, 20.0873 looks on a white background.

Color Contrast Check

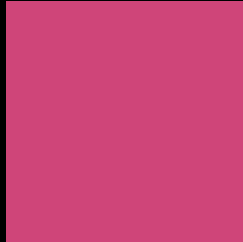
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3114, 18.9021, 20.0873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

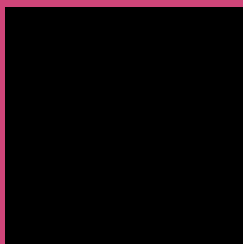
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3114, 18.9021, 20.0873

Background



This preview shows how black text looks on a background with the XYZ color 31.3114, 18.9021, 20.0873.



This preview shows how white text looks on a background with the XYZ color 31.3114, 18.9021,

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

31.3114, 18.9021, 20.0873

Protanopia

19.1940, 19.2107, 32.4022

Deuteranopia

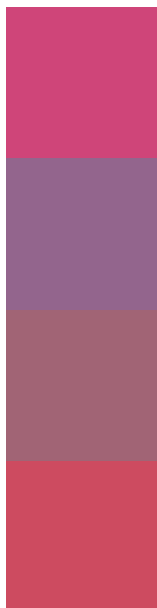
19.3902, 19.0884, 18.5820



Tritanopia

29.1492, 18.8953, 10.0935

Trichromacy



Original Color

31.3114, 18.9021, 20.0873

Protanomaly

21.4940, 17.4335, 27.4314

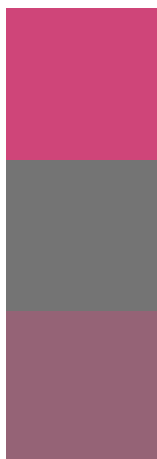
Deuteranomaly

22.4660, 17.9758, 19.1152

Tritanomaly

29.8042, 18.8558, 13.1350

Monochromacy



Original Color

31.3114, 18.9021, 20.0873

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

20.1263, 16.6212, 19.2870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3114, 18.9021, 20.0873 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(207, 69, 121)` looks like.

```
.text, #text, p{  
    color:rgb(207, 69, 121)  
}
```

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(207, 69, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 69, 121) }
```

Border

The CSS property to change the border of an element to XYZ 31.3114, 18.9021, 20.0873 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(207, 69, 121) }
```


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

```
.border{ border-color:rgb(207, 69, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 69, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 69, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 69, 121);  
box-shadow:4px 4px 4px 4px rgb(207, 69,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3114, 18.9021, 20.0873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 69, 121) }
```

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

```
.background{ background-color: rgb(207, 69,  
121) }
```

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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