

Converting Colors

XYZ(31.9079, 18.1668, 22.1624)

Have a look what the booklet for
XYZ(31.9079, 18.1668, 22.1624)
contains.

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Color

**XYZ(31.9378, 18.1864,
22.2491)**

Conversions

Conversions Part 1

Format	Color
Hex	D23980
RGB	210, 57, 128
RGB Percent	82%, 22%, 50%
CMY	0.1765, 0.7764, 0.4980
CMYK	0.00, 0.73, 0.39, 0.18
HSL	332°, 63%, 52%
HSV	332°, 73%, 82%
XYZ	31.9378, 18.1864, 22.2491
YIQ	110.8410, 68.3970, 54.5170

Conversions

Conversions Part 2

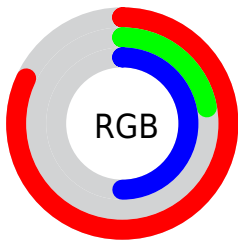
Format	Color
R_{YB}	210, 57, 128
Decimal	13777280
CIE Lab	49.72, 64.33, -4.49
CIE LCh	50, 64.484, 356.009
Yxy	18.1864, 0.4413, 0.2513
Android (android.graphics.Color)	4291967360 (0xFFD23980)
YUV	110.8410, 8.4594, 86.9624
Hunter-Lab	42.6455, 59.0514, -1.0810

Details

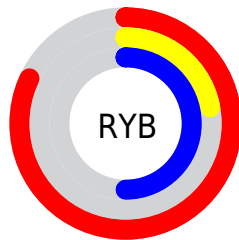
The XYZ color **31.9378, 18.1864, 22.2491** is a dark color, and the websafe version is hex **CC0066**. The color can be described as middle muted rose. A complement of this color would be **29.3954, 48.8278, 32.3051**, and the grayscale version is **15.0269, 15.8095, 17.2165**.

A 20% lighter version of the original color is **55.8259, 37.0870, 47.9322**, and **13.9890, 7.0485, 8.0203** is the 20% darker color. If you saturate the color by 10%, you get **30.4055, 16.2424, 18.2836**, and if you desaturate by 10%, it is **33.9824, 21.0234, 26.7911**.

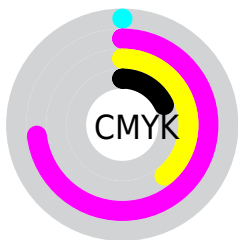
Distribution



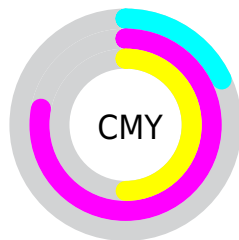
- Red (82%)
- Green (22%)
- Blue (50%)



- Red (82%)
- Yellow (22%)
- Blue (50%)



- Cyan (0%)
- Magenta (73%)
- Yellow (39%)
- Black (18%)



- Cyan (18%)
- Magenta (78%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9378, 18.1864, 22.2491 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 31.9378, 18.1864, 22.2491 by changing the saturation by 10% instead.

31.9378, 18.1864,
22.2491

31.9378, 18.1864,
22.2491

302.5861,
241.9196, 276.8402

21.4693, 11.0839,
13.8400

62.0794, 40.3547,
48.0648

13.5819, 6.1233,
7.8720

82.4833, 56.1893,
66.3085

7.9102, 2.9202,
3.9265

106.9296, 75.7033,
88.6675

4.0889, 1.0902,
1.5851

135.7838, 99.2812,
115.5602

1.7525, 0.0000,
0.2802

169.4112,
127.3074, 147.4053

0.4888, 0.0000,
0.0000

208.1771,

0.0000, 0.0000,

160.1663, 184.6214

0.0000

252.4470,
198.2422, 227.6268

■ 31.9378, 18.1864,
22.2491

■ 31.9378, 18.1864,
22.2491

■ 30.4055, 16.2424,
18.2836

■ 33.9824, 21.0234,
26.7911

■ 29.3244, 15.0736,
14.8608

■ 36.5875, 24.8457,
31.9379

■ 28.7569, 14.5730,
12.7154

■ 39.7969, 29.7373,
37.7163

■ 43.6497, 35.7723,
44.1508

■ 48.1814, 43.0181,
51.2644

■ 53.4247, 51.5370,
59.0787

■ 59.4103, 61.3867,
67.6142

■ 66.1670, 72.6217,
76.8906

■ 73.7220, 85.2931,
86.9266

Harmonies

Analogous

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



29.0364, 18.1864, 45.3526



31.9378, 18.1864, 22.2491



30.2128, 18.1864, 8.3689

Triad

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



31.9378, 18.1864, 22.2491



12.6087, 18.1864, 2.3091



11.4905, 18.1864, 63.1380

Complementary

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



31.9378, 18.1864, 22.2491



29.3954, 48.8278, 32.3051

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.



8.6991, 18.1864, 38.6340



31.9378, 18.1864, 22.2491



9.2293, 18.1864, 6.2773

Square

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



31.9378, 18.1864, 22.2491



18.1202, 18.1864, 1.5998



7.9815, 18.1864, 17.5411



16.4770, 18.1864, 76.2953

Rectangle

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



31.9378, 18.1864, 22.2491



26.8488, 18.1864, 4.0787



7.9815, 18.1864, 17.5411



10.3149, 18.1864, 55.4415

Sweetspot

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



31.9383, 18.1874, 22.2494



75.2217, 67.4934, 80.2481



23.6780, 13.0354, 62.2410



15.6609, 13.7383, 16.5019



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.



31.9383, 18.1874, 22.2494



46.2386, 24.1363, 25.5489



29.0457, 17.4543, 5.7103



12.0337, 11.8982, 13.4533



17.5909, 8.9092, 8.0180



1.0235, 0.5141, 0.6583

Inverse Universe

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



31.9383, 18.1874, 22.2494



46.2386, 24.1363, 25.5489



35.1283, 49.1383, 68.6061



12.0337, 11.8982, 13.4533



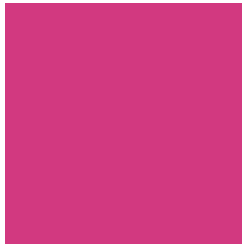
17.5909, 8.9092, 8.0180



1.0235, 0.5141, 0.6583

Previews

White Background



This preview shows how the XYZ color 31.9378, 18.1864, 22.2491 looks on a white background.

Color Contrast Check

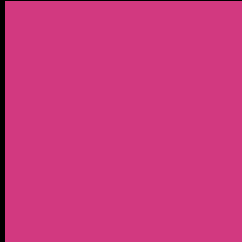
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.9378, 18.1864, 22.2491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

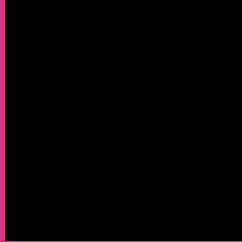
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9378, 18.1864, 22.2491

Background



This preview shows how black text looks on a background with the XYZ color 31.9378, 18.1864, 22.2491.



This preview shows how white text looks on a background with the XYZ color 31.9378, 18.1864,

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

31.9378, 18.1864, 22.2491

Protanopia

19.0453, 18.4557, 39.1177

Deuteranopia

18.7268, 18.3634, 20.3268



Tritanopia

28.9768, 18.1363, 8.6300

Trichromacy



Original Color

31.9378, 18.1864, 22.2491

Protanomaly

21.1697, 16.3240, 32.1721

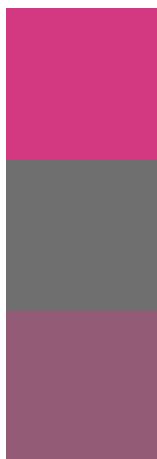
Deuteranomaly

21.8759, 16.8064, 20.8299

Tritanomaly

29.7007, 17.9700, 12.4928

Monochromacy



Original Color

31.9378, 18.1864, 22.2491

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

18.9846, 14.9696, 18.7184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9378, 18.1864, 22.2491 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(210, 57, 128)` looks like.

```
.text, #text, p{  
    color:rgb(210, 57, 128)  
}
```

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(210, 57, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 57, 128) }
```

Border

The CSS property to change the border of an element to XYZ 31.9378, 18.1864, 22.2491 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(210, 57, 128) }
```


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

```
.border{ border-color:rgb(210, 57, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 57, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 57, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 57, 128);  
box-shadow:4px 4px 4px 4px rgb(210, 57,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9378, 18.1864, 22.2491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 57, 128) }
```

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

```
.background{ background-color: rgb(210, 57,  
128) }
```

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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