

Converting Colors

XYZ(21.1468, 11.8742, 31.3818)

Have a look what the booklet for
XYZ(21.1468, 11.8742, 31.3818)
contains.

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Color

**XYZ(21.1462, 11.8675,
31.3131)**

Conversions

Conversions Part 1

Format	Color
Hex	9F3199
RGB	159, 49, 153
RGB Percent	62%, 19%, 60%
CMY	0.3765, 0.8078, 0.4000
CMYK	0.00, 0.69, 0.04, 0.38
HSL	303°, 53%, 41%
HSV	303°, 69%, 62%
XYZ	21.1462, 11.8675, 31.3131
YIQ	93.7460, 32.1760, 55.6640

Conversions

Conversions Part 2

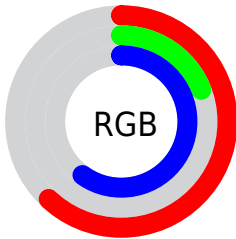
Format	Color
R _Y B	159, 49, 153
Decimal	10432921
CIE Lab	41.00, 57.26, -33.73
CIE LCh	41, 66.457, 329.500
Yxy	11.8675, 0.3287, 0.1845
Android (android.graphics.Color)	4288623001 (0xFF9F3199)
YUV	93.7460, 29.2122, 57.2278
Hunter-Lab	34.4492, 49.2837, -29.7780

Details

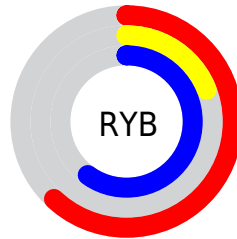
The XYZ color **21.1462, 11.8675, 31.3131** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **14.3550, 25.7257, 7.8242**, and the grayscale version is **10.5081, 11.0554, 12.0393**.

A 20% lighter version of the original color is **44.7556, 29.2561, 62.9626**, and **8.0579, 3.8826, 12.6366** is the 20% darker color. If you saturate the color by 10%, you get **20.5235, 10.7360, 30.7534**, and if you desaturate by 10%, it is **22.0049, 13.4695, 31.9542**.

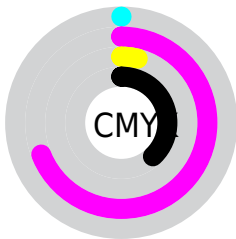
Distribution



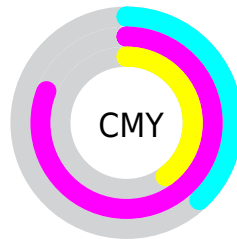
- Red (62%)
- Green (19%)
- Blue (60%)



- Red (62%)
- Yellow (19%)
- Blue (60%)



- Cyan (0%)
- Magenta (69%)
- Yellow (4%)
- Black (38%)





- Cyan (38%)
- Magenta (81%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1462, 11.8675, 31.3131 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 21.1462, 11.8675, 31.3131 by changing the saturation by 10% instead.


 21.1462, 11.8675,
31.3131


 21.1462, 11.8675,
31.3131


250.7715,
203.5261, 322.3739


 13.3440, 6.6535,
20.5769


 44.8202, 29.2536,
62.8180


 7.7445, 3.2464,
12.6269


 61.4226, 42.1944,
84.4238


 3.9823, 1.2617,
7.0444


 81.6892, 58.4797,
110.4900

 1.6921, 0.1112,
3.4110

 105.9853, 78.4938,
141.4349

 0.4513, 0.0000,
1.3081

 134.6762,
102.6211, 177.6773

 0.0000, 0.0000,
0.0685

 168.1273,

 0.0000, 0.0000,

131.2460, 219.6355

0.0000

206.7039,
164.7528, 267.7282

■ 21.1462, 11.8675,
31.3131

■ 21.1462, 11.8675,
31.3131

■ 20.5235, 10.7360,
30.7534

■ 22.0049, 13.4695,
31.9542

■ 20.1094, 10.0213,
30.2657

■ 23.1205, 15.5847,
32.6834

■ 19.8496, 9.6142,
29.8320

■ 24.5130, 18.2530,
33.5076

■ 19.8297, 9.5836,
29.7970

■ 26.2002, 21.5098,
34.4325

■ 28.1983, 25.3876,
35.4636

■ 30.5224, 29.9165,
36.6061

■ 33.1866, 35.1247,
37.8644

■ 36.2040, 41.0387,
39.2432

■ 39.5874, 47.6836,
40.7465

Harmonies

Analogous

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



16.4134, 11.8675, 51.7952



21.1462, 11.8675, 31.3131



23.1302, 11.8675, 13.1519

Triad

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



21.1462, 11.8675, 31.3131



11.3598, 11.8675, 0.2967



5.0419, 11.8675, 30.6035

Complementary

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



21.1462, 11.8675, 31.3131



14.3550, 25.7257, 7.8242

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.



4.3797, 11.8675, 12.6942



21.1462, 11.8675, 31.3131



7.3465, 11.8675, 0.8989

Square

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



21.1462, 11.8675, 31.3131



16.5918, 11.8675, 0.9394



5.0887, 11.8675, 3.6614



7.2430, 11.8675, 51.2199

Rectangle

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



21.1462, 11.8675, 31.3131



22.2937, 11.8675, 5.9984



5.0887, 11.8675, 3.6614



4.6649, 11.8675, 23.7947

Sweetspot

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



21.1466, 11.8681, 31.3133



49.6559, 43.8255, 63.0843



8.9052, 5.4987, 33.3934



10.9812, 9.4654, 14.1129



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.1466, 11.8681, 31.3133



36.3116, 18.4497, 54.5892



17.6253, 10.4595, 12.7703



6.8885, 6.7483, 8.2641



15.6669, 7.5713, 23.5609



0.2844, 0.1371, 0.4437

Inverse Universe

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



21.1466, 11.8681, 31.3133



36.3116, 18.4497, 54.5892



16.4527, 26.5648, 18.8708



6.8885, 6.7483, 8.2641



15.6669, 7.5713, 23.5609



0.2844, 0.1371, 0.4437

Previews

White Background



This preview shows how the XYZ color 21.1462, 11.8675, 31.3131 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 21.1462, 11.8675, 31.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

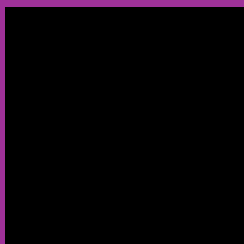
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1462, 11.8675, 31.3131

Background



This preview shows how black text looks on a background with the XYZ color 21.1462, 11.8675, 31.3131.



This preview shows how white text looks on a background with the XYZ color 21.1462, 11.8675,

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

21.1462, 11.8675, 31.3131

Protanopia

14.4181, 12.2368, 53.2318

Deuteranopia

12.4435, 12.1612, 28.8856



Tritanopia

16.5202, 11.8945, 8.6329

Trichromacy



Original Color

21.1462, 11.8675, 31.3131



Protanomaly

14.1045, 10.3638, 44.4370



Deuteranomaly

14.2373, 10.9714, 29.8011



Tritanomaly

17.7096, 11.5567, 14.6619

Monochromacy



Original Color

21.1462, 11.8675, 31.3131



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

13.2901, 10.5381, 17.5533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1462, 11.8675, 31.3131 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(159, 49, 153)` looks like.

```
.text, #text, p{  
    color:rgb(159, 49, 153)  
}
```

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(159, 49, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 49, 153) }
```

Border

The CSS property to change the border of an element to XYZ 21.1462, 11.8675, 31.3131 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(159, 49, 153) }
```


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

```
.border{ border-color:rgb(159, 49, 153) }
```

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

Here you see how a box with a 4 pixel rgb(159, 49, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 49, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 49, 153);  
box-shadow:4px 4px 4px 4px rgb(159, 49,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1462, 11.8675, 31.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 49, 153) }
```

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

```
.background{ background-color: rgb(159, 49,  
153) }
```

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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