

Converting Colors

XYZ(18.9489, 19.0734, 21.4234)

Have a look what the booklet for
XYZ(18.9489, 19.0734, 21.4234)
contains.

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Color

**XYZ(19.0741, 19.2129,
21.4420)**

Conversions

Conversions Part 1

Format	Color
Hex	80777B
RGB	128, 119, 123
RGB Percent	50%, 47%, 48%
CMY	0.4980, 0.5333, 0.5176
CMYK	0.00, 0.07, 0.04, 0.50
HSL	333°, 4%, 48%
HSV	333°, 7%, 50%
XYZ	19.0741, 19.2129, 21.4420
YIQ	122.1470, 4.0800, 3.1520

Conversions

Conversions Part 2

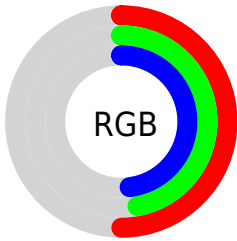
Format	Color
R_{YB}	128, 119, 123
Decimal	8419195
CIE Lab	50.94, 4.22, -0.95
CIE LCh	51, 4.325, 347.273
Yxy	19.2129, 0.3193, 0.3217
Android (android.graphics.Color)	4286609275 (0xFF80777B)
YUV	122.1470, 0.4205, 5.1331
Hunter-Lab	43.8325, 0.9689, 1.6793

Details

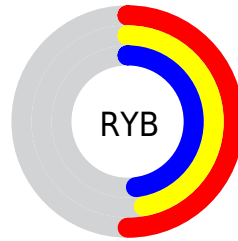
The XYZ color **19.0741, 19.2129, 21.4420** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.9658, 20.8161, 22.0882**, and the grayscale version is **18.5449, 19.5107, 21.2471**.

A 20% lighter version of the original color is **41.3568, 42.0447, 46.4931**, and **6.7137, 6.6632, 7.4108** is the 20% darker color. If you saturate the color by 10%, you get **17.2231, 16.1976, 18.7074**, and if you desaturate by 10%, it is **21.1638, 22.6532, 24.4163**.

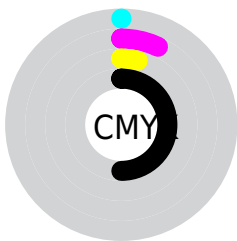
Distribution



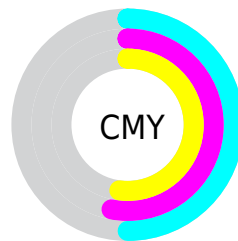
- Red (50%)
- Green (47%)
- Blue (48%)



- Red (50%)
- Yellow (47%)
- Blue (48%)



- Cyan (0%)
- Magenta (7%)
- Yellow (4%)
- Black (50%)



- Cyan (50%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0741, 19.2129, 21.4420 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 19.0741, 19.2129, 21.4420 by changing the saturation by 10% instead.

■ 19.0741, 19.2129,
21.4420

■ 19.0741, 19.2129,
21.4420

239.7878,
247.6216, 272.4760

■ 11.8282, 11.8242,
13.2531

■ 41.3752, 42.0935,
46.7123

■ 6.6981, 6.6241,
7.4703

■ 57.1610, 58.3543,
64.6308

■ 3.3187, 3.2281,
3.6750

■ 76.5242, 78.3412,
86.6295

■ 1.3244, 1.2520,
1.4488

99.8301, 102.4386,
113.1270

■ 0.2014, 0.1036,
0.1794

127.4441,
131.0310, 144.5419

■ 0.0000, 0.0000,
0.0000

159.7314,

164.5026, 181.2927

197.0575,
203.2381, 223.7979

■ 19.0741, 19.2129,
21.4420

■ 19.0741, 19.2129,
21.4420

■ 17.2231, 16.1976,
18.7074

■ 21.1638, 22.6532,
24.4163

■ 15.6002, 13.5882,
16.2049

■ 23.4988, 26.5317,
27.6351

■ 14.1967, 11.3679,
13.9284

■ 26.0877, 30.8640,
31.1046

■ 13.0025, 9.5177,
11.8708

■ 28.9380, 35.6642,
34.8304

■ 12.0067, 8.0171,
10.0248

■ 32.0570, 40.9459,
38.8180

■ 11.1973, 6.8435,
8.3826

■ 35.4516, 46.7221,
43.0726

■ 10.5611, 5.9717,
6.9356

■ 39.1285, 53.0052,
47.5992

■ 10.0828, 5.3724,
5.6745

■ 43.0942, 59.8073,
52.4029

■ 9.7325, 4.9874,
4.5849

■ 47.3550, 67.1399,
57.4884

Harmonies

Analogous

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



18.8712, 19.2129, 22.5563



19.0741, 19.2129, 21.4420



19.0567, 19.2129, 20.2290

Triad

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



19.0741, 19.2129, 21.4420



18.0185, 19.2129, 18.7531



17.7097, 19.2129, 22.6953

Complementary

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



19.0741, 19.2129, 21.4420



18.9658, 20.8161, 22.0882

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.



17.4883, 19.2129, 21.6257



19.0741, 19.2129, 21.4420



17.6646, 19.2129, 19.3640

Square

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



19.0741, 19.2129, 21.4420



18.4428, 19.2129, 18.7083



17.4719, 19.2129, 20.4057



18.0810, 19.2129, 23.2986

Rectangle

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



19.0741, 19.2129, 21.4420



18.9226, 19.2129, 19.5273



17.4719, 19.2129, 20.4057



17.6156, 19.2129, 22.3765

Sweetspot

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



19.0746, 19.2137, 21.4424



35.3631, 36.7512, 40.3082



18.7988, 19.0344, 23.1057



8.2919, 8.6249, 9.4549



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



19.0746, 19.2137, 21.4424



33.1859, 33.1776, 37.1749



18.8831, 19.2230, 20.1689



4.4010, 4.3735, 4.9160



9.5568, 4.8424, 4.2557



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.0746, 19.2137, 21.4424



33.1859, 33.1776, 37.1749



19.1653, 20.8022, 23.4276



4.4010, 4.3735, 4.9160



9.5568, 4.8424, 4.2557



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.0741, 19.2129, 21.4420 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 19.0741, 19.2129, 21.4420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

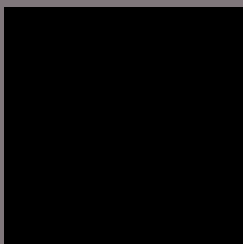
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

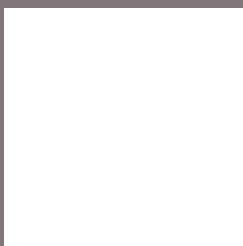
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0741, 19.2129, 21.4420

Background



This preview shows how black text looks on a background with the XYZ color 19.0741, 19.2129, 21.4420.



This preview shows how white text looks on a background with the XYZ color 19.0741, 19.2129,

21.4420.

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

19.0741, 19.2129, 21.4420

Protanopia

18.6438, 19.3409, 21.8193

Deuteranopia

19.5693, 19.2925, 21.4313



Tritanopia

19.4280, 19.1825, 23.1007

Trichromacy



Original Color

19.0741, 19.2129, 21.4420

Protanomaly

18.8120, 19.2482, 21.7925

Deuteranomaly

19.4137, 19.2122, 21.4240

Tritanomaly

19.2976, 19.1304, 22.4141

Monochromacy



Original Color

19.0741, 19.2129, 21.4420

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.6624, 19.3650, 21.1666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0741, 19.2129, 21.4420 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(128, 119, 123)` looks like.

```
.text, #text, p{  
    color:rgb(128, 119, 123)  
}
```

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(128, 119, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 119, 123) }
```

Border

The CSS property to change the border of an element to XYZ 19.0741, 19.2129, 21.4420 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(128, 119, 123) }
```


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

```
.border{ border-color:rgb(128, 119, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 119, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 119, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 119, 123);  
box-shadow:4px 4px 4px 4px rgb(128, 119,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0741, 19.2129, 21.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 119, 123) }
```

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

```
.background{ background-color: rgb(128,  
119, 123) }
```

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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