

Converting Colors

XYZ(22.2019, 22.3996, 29.7432)

Have a look what the booklet for
XYZ(22.2019, 22.3996, 29.7432)
contains.

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Color

**XYZ(22.1901, 22.3080,
29.9244)**

Conversions

Conversions Part 1

Format	Color
Hex	838091
RGB	131, 128, 145
RGB Percent	51%, 50%, 57%
CMY	0.4863, 0.4980, 0.4314
CMYK	0.10, 0.12, 0.00, 0.43
HSL	251°, 7%, 54%
HSV	251°, 12%, 57%
XYZ	22.1901, 22.3080, 29.9244
YIQ	130.8350, -3.6690, 5.9230

Conversions

Conversions Part 2

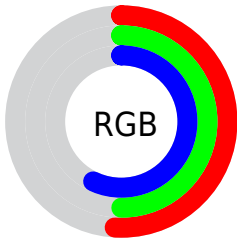
Format	Color
R_{YB}	131, 128, 145
Decimal	8618129
CIE _{Lab}	54.35, 4.63, -8.74
CIE _{LCh}	54, 9.889, 297.946
Yxy	22.3080, 0.2982, 0.2997
Android (android.graphics.Color)	4286808209 (0xFF838091)
YUV	130.8350, 6.9833, 0.1447
Hunter-Lab	47.2313, 1.2075, -4.5025

Details

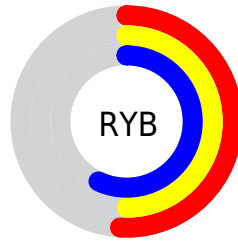
The XYZ color **22.1901, 22.3080, 29.9244** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.1778, 27.5607, 24.4159**, and the grayscale version is **21.4919, 22.6112, 24.6236**.

A 20% lighter version of the original color is **46.5998, 47.3616, 60.7185**, and **8.3412, 8.2120, 11.9719** is the 20% darker color. If you saturate the color by 10%, you get **18.6881, 17.8933, 29.2572**, and if you desaturate by 10%, it is **26.1769, 27.3751, 30.6927**.

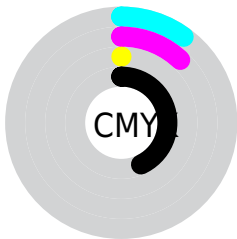
Distribution



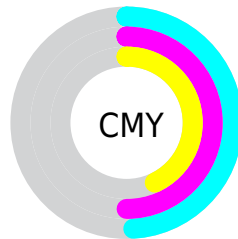
- Red (51%)
- Green (50%)
- Blue (57%)



- Red (51%)
- Yellow (50%)
- Blue (57%)



- Cyan (10%)
- Magenta (12%)
- Yellow (0%)
- Black (43%)



- Cyan (49%)
- Magenta (50%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1901, 22.3080, 29.9244 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 22.1901, 22.3080, 29.9244 by changing the saturation by 10% instead.

■ 22.1901, 22.3080,
29.9244

■ 22.1901, 22.3080,
29.9244

256.1512,
264.1505, 315.7482

■ 14.1140, 14.0834,
19.5296

■ 46.5365, 47.2545,
60.6022

■ 8.2823, 8.1787,
11.8729

■ 63.5376, 64.7452,
81.7223

■ 4.3294, 4.2095,
6.5357

■ 84.2443, 86.0934,
107.2546

■ 1.8901, 1.7914,
3.0995

109.0221,
111.6835, 137.6177

■ 0.5711, 0.4818,
1.1457

138.2364,
141.8999, 173.2301

■ 0.0000, 0.0000,
0.0000

172.2524,

177.1269, 214.5102

211.4355,
217.7490, 261.8768

■ 22.1901, 22.3080,
29.9244

■ 22.1901, 22.3080,
29.9244

■ 18.6881, 17.8933,
29.2572

■ 26.1769, 27.3751,
30.6927

■ 15.6504, 14.1016,
28.6854

■ 30.6642, 33.1168,
31.5644

■ 13.0578, 10.9056,
28.2052

■ 35.6693, 39.5576,
32.5438

■ 10.8890, 8.2746,
27.8117

■ 41.2082, 46.7202,
33.6344

■ 9.1209, 6.1753,
27.4996

■ 47.2960, 54.6259,
34.8395

7.7282, 4.5708,
27.2634

53.9474, 63.2955,
36.1623

6.6825, 3.4196,
27.0963

61.1765, 72.7486,
37.6060

5.9513, 2.6728,
26.9907

68.9969, 83.0045,
39.1734

5.5261, 2.2584,
26.9331

76.2935, 91.8254,
40.4914

Harmonies

Analogous

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



21.1288, 22.3080, 30.7231



22.1901, 22.3080, 29.9244



23.0102, 22.3080, 27.5807

Triad

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



22.1901, 22.3080, 29.9244



22.3231, 22.3080, 19.5946



19.1970, 22.3080, 24.0773

Complementary

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



22.1901, 22.3080, 29.9244



25.1778, 27.5607, 24.4159

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.



19.4932, 22.3080, 21.2713



22.1901, 22.3080, 29.9244



21.2775, 22.3080, 18.8235

Square

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



22.1901, 22.3080, 29.9244



23.0887, 22.3080, 21.6107



20.2458, 22.3080, 19.4107



19.4230, 22.3080, 27.1813

Rectangle

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



22.1901, 22.3080, 29.9244



23.2970, 22.3080, 25.5514



20.2458, 22.3080, 19.4107



19.2386, 22.3080, 23.0701

Sweetspot

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



22.1908, 22.3089, 29.9249



45.1133, 46.7747, 54.6243



23.7115, 26.0298, 30.5629



9.9232, 10.2620, 12.1300



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



22.1908, 22.3089, 29.9249



38.0469, 37.8104, 53.2664



23.5340, 23.0014, 29.9878



5.2128, 5.2979, 6.7766



4.7566, 1.9457, 23.1019



0.0588, 0.0255, 0.2215

Inverse Universe

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



24.2795, 23.4121, 28.8316



42.5379, 40.1830, 50.8837



23.8009, 26.8508, 24.3515



5.5860, 5.4949, 6.5839



12.9023, 6.3179, 15.6686



0.1303, 0.0632, 0.1863

Previews

White Background



This preview shows how the XYZ color 22.1901, 22.3080, 29.9244 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 22.1901, 22.3080, 29.9244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

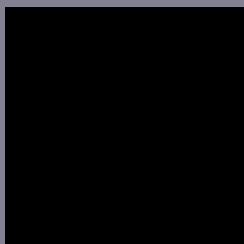
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1901, 22.3080, 29.9244

Background



This preview shows how black text looks on a background with the XYZ color 22.1901, 22.3080, 29.9244.



This preview shows how white text looks on a background with the XYZ color 22.1901, 22.3080,

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

22.1901, 22.3080, 29.9244

Protanopia

21.9407, 22.3650, 30.3546

Deuteranopia

22.6919, 22.3740, 29.9107



Tritanopia

21.7164, 22.3104, 27.5879

Trichromacy



Original Color

22.1901, 22.3080, 29.9244

Protanomaly

22.0918, 22.4430, 30.3617

Deuteranomaly

22.5317, 22.2914, 29.9032

Tritanomaly

21.8639, 22.3694, 28.3647

Monochromacy



Original Color

22.1901, 22.3080, 29.9244

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.7866, 22.5681, 26.5004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1901, 22.3080, 29.9244 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(131, 128, 145)` looks like.

```
.text, #text, p{  
    color:rgb(131, 128, 145)  
}
```

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(131, 128, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 128, 145) }
```

Border

The CSS property to change the border of an element to XYZ 22.1901, 22.3080, 29.9244 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(131, 128, 145) }
```


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

```
.border{ border-color:rgb(131, 128, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 128, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 128, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 128, 145);  
box-shadow:4px 4px 4px 4px rgb(131, 128,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1901, 22.3080, 29.9244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 128, 145) }
```

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

```
.background{ background-color: rgb(131,  
128, 145) }
```

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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