

Converting Colors

XYZ(21.8892, 20.9150, 31.6640)

Have a look what the booklet for
XYZ(21.8892, 20.9150, 31.6640)
contains.

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Color

**XYZ(21.9803, 21.0266,
31.7542)**

Conversions

Conversions Part 1

Format	Color
Hex	847A96
RGB	132, 122, 150
RGB Percent	52%, 48%, 59%
CMY	0.4823, 0.5216, 0.4118
CMYK	0.12, 0.19, 0.00, 0.41
HSL	261°, 12%, 53%
HSV	261°, 19%, 59%
XYZ	21.9803, 21.0266, 31.7542
YIQ	128.1820, -3.0280, 10.8280

Conversions

Conversions Part 2

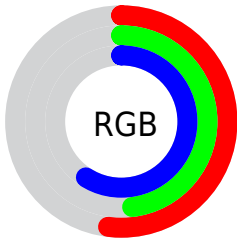
Format	Color
R_{YB}	132, 122, 150
Decimal	8682134
CIE _{Lab}	52.98, 9.58, -13.70
CIE _{LCh}	53, 16.720, 304.965
Yxy	21.0266, 0.2940, 0.2813
Android (android.graphics.Color)	4286872214 (0xFF847A96)
YUV	128.1820, 10.7563, 3.3484
Hunter-Lab	45.8548, 5.3174, -8.9597

Details

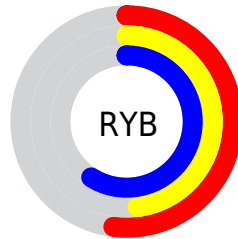
The XYZ color **21.9803, 21.0266, 31.7542** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.2351, 28.7938, 22.6410**, and the grayscale version is **20.5461, 21.6161, 23.5399**.

A 20% lighter version of the original color is **46.0427, 44.9460, 63.3755**, and **8.1143, 7.4598, 12.8166** is the 20% darker color. If you saturate the color by 10%, you get **18.8400, 16.8818, 31.1200**, and if you desaturate by 10%, it is **25.5456, 25.8136, 32.4906**.

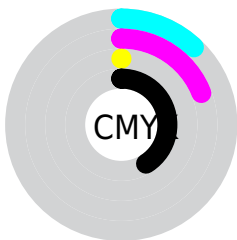
Distribution



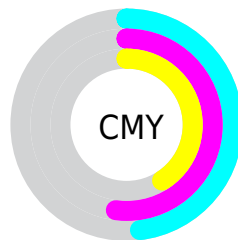
- Red (52%)
- Green (48%)
- Blue (59%)



- Red (52%)
- Yellow (48%)
- Blue (59%)



- Cyan (12%)
- Magenta (19%)
- Yellow (0%)
- Black (41%)



- Cyan (48%)
- Magenta (52%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9803, 21.0266, 31.7542 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 21.9803, 21.0266, 31.7542 by changing the saturation by 10% instead.

■ 21.9803, 21.0266,
31.7542

■ 21.9803, 21.0266,
31.7542

255.0777,
257.4198, 324.4562

■ 13.9589, 13.1434,
20.9106

■ 46.1925, 45.1318,
63.5190

■ 8.1736, 7.5274,
12.8680

■ 63.1141, 62.1226,
85.2772

■ 4.2590, 3.7941,
7.2081

■ 83.7332, 82.9182,
111.5107

■ 1.8497, 1.5590,
3.5122

108.4150,
107.9028, 142.6380

■ 0.5473, 0.3297,
1.3617

137.5250,
137.4608, 179.0777

■ 0.0000, 0.0000,
0.1116

171.4286,

■ 0.0000, 0.0000,

171.9768, 221.2482

0.0000

210.4910,
211.8350, 269.5682

■ 21.9803, 21.0266,
31.7542

■ 21.9803, 21.0266,
31.7542

■ 18.8400, 16.8818,
31.1200

■ 25.5456, 25.8136,
32.4906

■ 16.1059, 13.3487,
30.5822

■ 29.5498, 31.2664,
33.3321

■ 13.7609, 10.3980,
30.1362

■ 34.0084, 37.4105,
34.2830

■ 11.7856, 7.9972,
29.7769

■ 38.9357, 44.2694,
35.3472

■ 10.1587, 6.1102,
29.4984

■ 44.3452, 51.8655,
36.5283

8.8567, 4.6967,
29.2942

50.2498, 60.2199,
37.8296

7.8525, 3.7098,
29.1567

56.6622, 69.3532,
39.2546

7.0945, 3.0537,
29.0700

63.5944, 79.2852,
40.8063

7.0034, 2.9744,
29.0595

70.4154, 88.7496,
42.2736

Harmonies

Analogous

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



20.2784, 21.0266, 33.9245



21.9803, 21.0266, 31.7542



23.1983, 21.0266, 27.2284

Triad

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



21.9803, 21.0266, 31.7542



21.4461, 21.0266, 15.2126



16.8109, 21.0266, 23.7404

Complementary

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



21.9803, 21.0266, 31.7542



25.2351, 28.7938, 22.6410

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.



17.0833, 21.0266, 19.0466



21.9803, 21.0266, 31.7542



19.6947, 21.0266, 14.5590

Square

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



21.9803, 21.0266, 31.7542



22.8775, 21.0266, 17.7946



18.1145, 21.0266, 15.8580



17.3475, 21.0266, 28.8859

Rectangle

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



21.9803, 21.0266, 31.7542



23.5354, 21.0266, 23.7523



18.1145, 21.0266, 15.8580



16.8112, 21.0266, 22.0574

Sweetspot

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



21.9809, 21.0275, 31.7547



46.8070, 47.8923, 57.6984



22.9391, 25.1549, 32.5008



10.2868, 10.4965, 12.7687



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.9809, 21.0275, 31.7547



36.6160, 34.2214, 55.5968



24.2837, 22.2146, 31.8624



5.6833, 5.7277, 7.2758



5.8409, 2.4837, 24.1026



0.1015, 0.0459, 0.2964

Inverse Universe

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



24.2715, 22.2974, 27.8363



41.3835, 36.8664, 47.3569



23.0536, 27.6692, 22.5389



5.9483, 5.8744, 6.8337



12.2149, 6.0910, 9.8786



0.1636, 0.0802, 0.1952

Previews

White Background



This preview shows how the XYZ color 21.9803, 21.0266, 31.7542 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 21.9803, 21.0266, 31.7542 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 21.9803, 21.0266, 31.7542

Background



This preview shows how black text looks on a background with the XYZ color 21.9803, 21.0266, 31.7542.



This preview shows how white text looks on a background with the XYZ color 21.9803, 21.0266,

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

21.9803, 21.0266, 31.7542

Protanopia

20.8863, 20.9992, 32.6582

Deuteranopia

21.4651, 21.1293, 31.8012



Tritanopia

20.7601, 21.0836, 25.8970

Trichromacy



Original Color

21.9803, 21.0266, 31.7542

Protanomaly

21.2510, 21.0096, 32.2134

Deuteranomaly

21.6412, 21.0351, 31.7737

Tritanomaly

21.1472, 21.0546, 27.7603

Monochromacy



Original Color

21.9803, 21.0266, 31.7542

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.9580, 21.3664, 26.3121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9803, 21.0266, 31.7542 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(132, 122, 150)` looks like.

```
.text, #text, p{  
    color:rgb(132, 122, 150)  
}
```

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(132, 122, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 122, 150) }
```

Border

The CSS property to change the border of an element to XYZ 21.9803, 21.0266, 31.7542 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(132, 122, 150) }
```


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

```
.border{ border-color:rgb(132, 122, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 122, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 122, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 122, 150);  
box-shadow:4px 4px 4px 4px rgb(132, 122,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9803, 21.0266, 31.7542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 122, 150) }
```

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

```
.background{ background-color: rgb(132,  
122, 150) }
```

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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