

Converting Colors

XYZ(21.9933, 22.1850, 31.2886)

Have a look what the booklet for
XYZ(21.9933, 22.1850, 31.2886)
contains.

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Color

**XYZ(21.9666, 22.1657,
31.1376)**

Conversions

Conversions Part 1

Format	Color
Hex	808094
RGB	128, 128, 148
RGB Percent	50%, 50%, 58%
CMY	0.4980, 0.4980, 0.4196
CMYK	0.14, 0.14, 0.00, 0.42
HSL	240°, 9%, 54%
HSV	240°, 14%, 58%
XYZ	21.9666, 22.1657, 31.1376
YIQ	130.2800, -6.4200, 6.2200

Conversions

Conversions Part 2

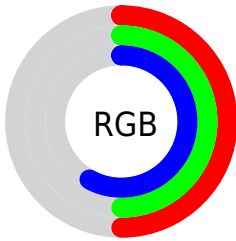
Format	Color
R_{YB}	128, 128, 148
Decimal	8421524
CIE _{Lab}	54.20, 4.24, -10.73
CIE _{LCh}	54, 11.537, 291.580
Yxy	22.1657, 0.2918, 0.2945
Android (android.graphics.Color)	4286611604 (0xFF808094)
YUV	130.2800, 8.7360, -1.9996
Hunter-Lab	47.0805, 0.8930, -6.2563

Details

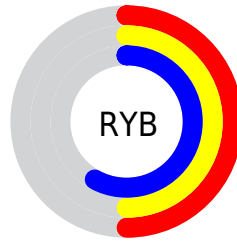
The XYZ color **21.9666, 22.1657, 31.1376** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.6991, 29.0341, 24.6196**, and the grayscale version is **21.2895, 22.3982, 24.3916**.

A 20% lighter version of the original color is **46.2406, 47.1358, 62.5381**, and **8.1781, 8.1173, 12.4450** is the 20% darker color. If you saturate the color by 10%, you get **18.1093, 17.5181, 30.4442**, and if you desaturate by 10%, it is **26.4315, 27.5457, 31.9411**.

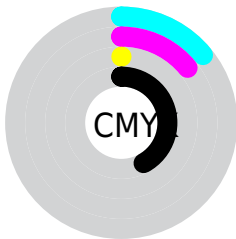
Distribution



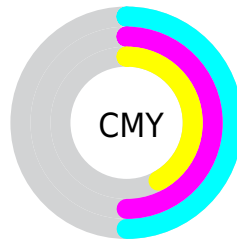
- Red (50%)
- Green (50%)
- Blue (58%)



- Red (50%)
- Yellow (50%)
- Blue (58%)



- Cyan (14%)
- Magenta (14%)
- Yellow (0%)
- Black (42%)



- Cyan (50%)
- Magenta (50%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9666, 22.1657, 31.1376 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 21.9666, 22.1657, 31.1376 by changing the saturation by 10% instead.

■ 21.9666, 22.1657,
31.1376

■ 21.9666, 22.1657,
31.1376

255.0074,
263.4104, 321.5425

■ 13.9488, 13.9787,
20.4443

■ 46.1701, 47.0197,
62.5388

■ 8.1665, 8.1059,
12.5311

■ 63.0864, 64.4555,
84.0837

■ 4.2544, 4.1628,
6.9796

■ 83.6997, 85.7430,
110.0829

■ 1.8470, 1.7650,
3.3711

108.3753,
111.2667, 140.9550

■ 0.5458, 0.4652,
1.2871

137.4785,
141.4109, 177.1185

■ 0.0000, 0.0000,
0.0512

171.3747,

■ 0.0000, 0.0000,

176.5599, 218.9919

0.0000

210.4292,
217.0983, 266.9937

■ 21.9666, 22.1657,
31.1376

■ 21.9666, 22.1657,
31.1376

■ 18.1093, 17.5181,
30.4442

■ 26.4315, 27.5457,
31.9411

■ 14.8315, 13.5686,
29.8546

■ 31.5266, 33.6848,
32.8575

■ 12.1058, 10.2843,
29.3643

■ 37.2757, 40.6119,
33.8915

■ 9.9018, 7.6287,
28.9679

■ 43.7009, 48.3536,
35.0472

■ 8.1863, 5.5616,
28.6593

■ 50.8231, 56.9351,
36.3282

■ 6.9221, 4.0382,
28.4319

■ 58.6624, 66.3806,
37.7382

■ 6.0668, 3.0076,
28.2781

■ 67.2381, 76.7134,
39.2807

■ 5.5699, 2.4087,
28.1887

■ 76.5687, 87.9558,
40.9589

■ 5.3455, 2.1384,
28.1483

■ 82.3454, 94.9181,
41.9983

Harmonies

Analogous

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



20.7170, 22.1657, 31.6253



21.9666, 22.1657, 31.1376



23.0127, 22.1657, 28.6821

Triad

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



21.9666, 22.1657, 31.1376



22.6010, 22.1657, 19.1215



18.7729, 22.1657, 23.1382

Complementary

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



21.9666, 22.1657, 31.1376



26.6991, 29.0341, 24.6196

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.



19.2357, 22.1657, 20.0952



21.9666, 22.1657, 31.1376



21.4226, 22.1657, 17.9314

Square

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



21.9666, 22.1657, 31.1376



23.3890, 22.1657, 21.6844



20.1939, 22.1657, 18.2693



18.9056, 22.1657, 26.7629

Rectangle

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



21.9666, 22.1657, 31.1376



23.4377, 22.1657, 26.3816



20.1939, 22.1657, 18.2693



18.8633, 22.1657, 22.0191

Sweetspot

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



21.9673, 22.1666, 31.1381



46.1606, 48.0289, 56.2722



24.8114, 27.8970, 31.9561



10.4041, 10.8032, 12.8217



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.



21.9673, 22.1666, 31.1381



36.7432, 36.6817, 54.5783



23.4911, 22.9519, 31.2094



5.4995, 5.6330, 7.2672



4.5659, 1.8265, 24.0429



0.0559, 0.0224, 0.2943

Inverse Universe

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



23.8288, 23.2933, 23.6633



40.6350, 39.0373, 38.9509



25.0231, 28.1705, 24.5412



5.8008, 5.8154, 6.0573



10.4317, 5.3777, 0.4885



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 21.9666, 22.1657, 31.1376 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 21.9666, 22.1657, 31.1376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

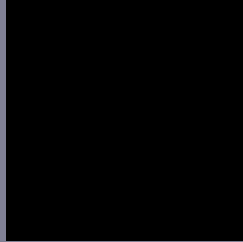
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

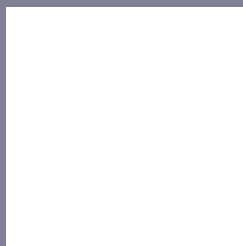
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9666, 22.1657, 31.1376

Background



This preview shows how black text looks on a background with the XYZ color 21.9666, 22.1657, 31.1376.



This preview shows how white text looks on a background with the XYZ color 21.9666, 22.1657,

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

21.9666, 22.1657, 31.1376

Protanopia

21.7997, 22.2743, 31.1674

Deuteranopia

22.4790, 22.0464, 31.0876



Tritanopia

21.3363, 22.1060, 27.9533

Trichromacy



Original Color

21.9666, 22.1657, 31.1376

Protanomaly

21.9479, 22.3507, 31.1743

Deuteranomaly

22.2947, 22.1422, 31.1158

Tritanomaly

21.5606, 22.1957, 29.1344

Monochromacy



Original Color

21.9666, 22.1657, 31.1376

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.4189, 22.1738, 26.8180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9666, 22.1657, 31.1376 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, 128, 148)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 148)  
}
```

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, 128, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 148) }
```

Border

The CSS property to change the border of an element to XYZ 21.9666, 22.1657, 31.1376 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, 128, 148) }
```


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

```
.border{ border-color:rgb(128, 128, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 148);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9666, 22.1657, 31.1376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 148) }
```

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

```
.background{ background-color: rgb(128,  
128, 148) }
```

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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