

Converting Colors

XYZ(21.3908, 21.8522, 27.5075)

Have a look what the booklet for
XYZ(21.3908, 21.8522, 27.5075)
contains.

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Color

**XYZ(21.4326, 21.9696,
27.5370)**

Conversions

Conversions Part 1

Format	Color
Hex	81808B
RGB	129, 128, 139
RGB Percent	51%, 50%, 55%
CMY	0.4941, 0.4980, 0.4549
CMYK	0.07, 0.08, 0.00, 0.45
HSL	245°, 5%, 52%
HSV	245°, 8%, 55%
XYZ	21.4326, 21.9696, 27.5370
YIQ	129.5530, -2.9350, 3.6330

Conversions

Conversions Part 2

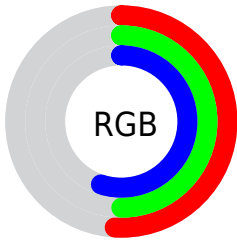
Format	Color
R_{YB}	129, 128, 139
Decimal	8487051
CIE Lab	53.99, 2.63, -5.80
CIE LCh	54, 6.367, 294.412
Yxy	21.9696, 0.3021, 0.3097
Android (android.graphics.Color)	4286677131 (0xFF81808B)
YUV	129.5530, 4.6574, -0.4850
Hunter-Lab	46.8717, -0.4045, -2.0225

Details

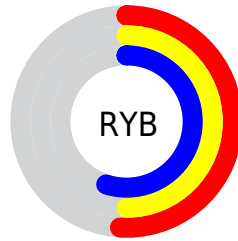
The XYZ color **21.4326, 21.9696, 27.5370** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.6111, 25.4277, 24.0869**, and the grayscale version is **21.0458, 22.1418, 24.1124**.

A 20% lighter version of the original color is **45.3297, 46.7986, 56.5131**, and **7.9074, 8.0187, 10.5822** is the 20% darker color. If you saturate the color by 10%, you get **17.9398, 17.6599, 26.8896**, and if you desaturate by 10%, it is **25.4126, 26.9004, 28.2793**.

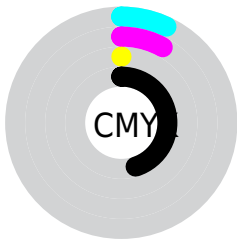
Distribution



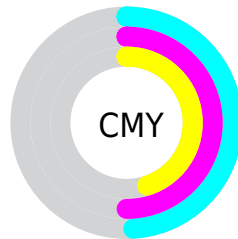
- Red (51%)
- Green (50%)
- Blue (55%)



- Red (51%)
- Yellow (50%)
- Blue (55%)



- Cyan (7%)
- Magenta (8%)
- Yellow (0%)
- Black (45%)



- Cyan (49%)
- Magenta (50%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4326, 21.9696, 27.5370 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 21.4326, 21.9696, 27.5370 by changing the saturation by 10% instead.

■ 21.4326, 21.9696,
27.5370

■ 21.4326, 21.9696,
27.5370

252.2571,
262.3875, 304.0899

■ 13.5548, 13.8346,
17.7409

■ 45.2923, 46.6957,
56.7586

■ 7.8913, 8.0057,
10.5966

■ 62.0049, 64.0556,
77.0211

■ 4.0767, 4.0986,
5.6856

■ 82.3932, 85.2593,
101.6096

■ 1.7456, 1.7289,
2.5892

106.8225,
110.6911, 130.9426

■ 0.4846, 0.4422,
0.8869

135.6582,
140.7354, 165.4386

■ 0.0000, 0.0000,
0.0000

169.2656,

175.7766, 205.5161

208.0101,
216.1992, 251.5937

■ 21.4326, 21.9696,
27.5370

■ 21.4326, 21.9696,
27.5370

■ 17.9398, 17.6599,
26.8896

■ 25.4126, 26.9004,
28.2793

■ 14.9136, 13.9439,
26.3318

■ 29.8956, 32.4727,
29.1186

■ 12.3348, 10.7965,
25.8602

■ 34.8989, 38.7093,
30.0587

■ 10.1820, 8.1896,
25.4705

■ 40.4385, 45.6312,
31.1028

■ 8.4323, 6.0926,
25.1580

■ 46.5298, 53.2583,
32.2539

■ 7.0603, 4.4720,
24.9175

■ 53.1874, 61.6098,
33.5150

■ 6.0381, 3.2903,
24.7433

■ 60.4254, 70.7042,
34.8889

■ 5.3334, 2.5041,
24.6286

■ 68.2576, 80.5592,
36.3783

■ 4.8928, 2.0307,
24.5605

■ 76.6970, 91.1921,
37.9859

Harmonies

Analogous

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



20.7530, 21.9696, 27.8905



21.4326, 21.9696, 27.5370



21.9751, 21.9696, 26.1928

Triad

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



21.4326, 21.9696, 27.5370



21.6603, 21.9696, 20.9724



19.5932, 21.9696, 23.5544

Complementary

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



21.4326, 21.9696, 27.5370



23.6111, 25.4277, 24.0869

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.



19.8247, 21.9696, 21.7848



21.4326, 21.9696, 27.5370



21.0104, 21.9696, 20.3475

Square

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



21.4326, 21.9696, 27.5370



22.1085, 21.9696, 22.3903



20.3398, 21.9696, 20.6366



19.7006, 21.9696, 25.5203

Rectangle

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



21.4326, 21.9696, 27.5370



22.1809, 21.9696, 24.9530



20.3398, 21.9696, 20.6366



19.6338, 21.9696, 22.9182

Sweetspot

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



21.4332, 21.9705, 27.5375



42.4571, 44.3886, 50.0731



22.6635, 24.6547, 27.9907



9.8053, 10.2557, 11.5422



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.4332, 21.9705, 27.5375



37.5315, 38.2926, 49.1561



22.2783, 22.4061, 27.5770



4.8140, 4.9125, 6.3003



4.3580, 1.7608, 22.1559



0.0337, 0.0142, 0.1474

Inverse Universe

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



22.9549, 22.7634, 27.2300



40.6736, 39.9298, 48.5155



22.7368, 24.9770, 24.0459



5.2146, 5.1213, 6.2187



13.0351, 6.3241, 18.4869



0.0892, 0.0431, 0.1368

Previews

White Background



This preview shows how the XYZ color 21.4326, 21.9696, 27.5370 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 21.4326, 21.9696, 27.5370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

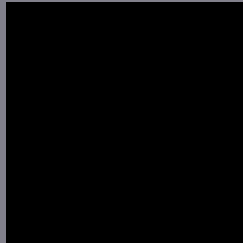
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

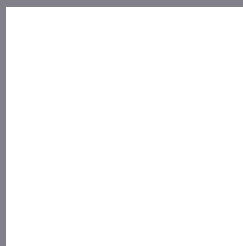
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4326, 21.9696, 27.5370

Background



This preview shows how black text looks on a background with the XYZ color 21.4326, 21.9696, 27.5370.



This preview shows how white text looks on a background with the XYZ color 21.4326, 21.9696,

27.5370.

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

21.4326, 21.9696, 27.5370

Protanopia

21.2815, 21.8916, 27.5299

Deuteranopia

22.3838, 21.8790, 27.8543



Tritanopia

21.3599, 21.9404, 27.1539

Trichromacy



Original Color

21.4326, 21.9696, 27.5370

Protanomaly

21.2815, 21.8916, 27.5299

Deuteranomaly

22.0260, 21.8835, 27.8740

Tritanomaly

21.3599, 21.9404, 27.1539

Monochromacy



Original Color

21.4326, 21.9696, 27.5370

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.2898, 22.1398, 25.3416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4326, 21.9696, 27.5370 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(129, 128, 139)` looks like.

```
.text, #text, p{  
    color:rgb(129, 128, 139)  
}
```

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(129, 128, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 128, 139) }
```

Border

The CSS property to change the border of an element to XYZ 21.4326, 21.9696, 27.5370 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(129, 128, 139) }
```


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

```
.border{ border-color:rgb(129, 128, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 128, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 128, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 128, 139);  
box-shadow:4px 4px 4px 4px rgb(129, 128,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4326, 21.9696, 27.5370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 128, 139) }
```

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

```
.background{ background-color: rgb(129,  
128, 139) }
```

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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