

Converting Colors

XYZ(21.2804, 19.7362, 27.0438)

Have a look what the booklet for
XYZ(21.2804, 19.7362, 27.0438)
contains.

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Color

**XYZ(21.2221, 19.6732,
27.1049)**

Conversions

Conversions Part 1

Format	Color
Hex	89748B
RGB	137, 116, 139
RGB Percent	54%, 45%, 55%
CMY	0.4627, 0.5451, 0.4549
CMYK	0.01, 0.17, 0.00, 0.45
HSL	295°, 9%, 50%
HSV	295°, 17%, 55%
XYZ	21.2221, 19.6732, 27.1049
YIQ	124.9010, 5.1330, 11.6050

Conversions

Conversions Part 2

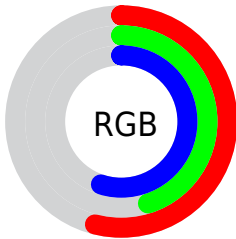
Format	Color
R_{YB}	137, 116, 139
Decimal	9008267
CIE _{Lab}	51.47, 12.53, -9.49
CIE _{LCh}	51, 15.722, 322.858
Yxy	19.6732, 0.3121, 0.2893
Android (android.graphics.Color)	4287198347 (0xFF89748B)
YUV	124.9010, 6.9508, 10.6108
Hunter-Lab	44.3545, 7.7858, -5.1838

Details

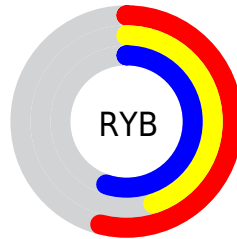
The XYZ color **21.2221, 19.6732, 27.1049** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.8569, 23.5783, 20.0284**, and the grayscale version is **19.4363, 20.4485, 22.2684**.

A 20% lighter version of the original color is **45.0029, 42.8874, 55.7754**, and **7.8008, 6.8817, 10.3684** is the 20% darker color. If you saturate the color by 10%, you get **19.5414, 16.6040, 26.6014**, and if you desaturate by 10%, it is **23.1460, 23.2248, 27.6893**.

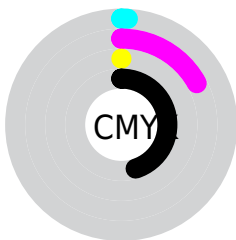
Distribution



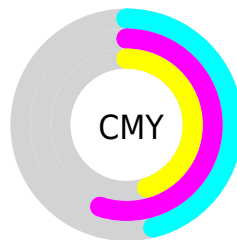
- Red (54%)
- Green (45%)
- Blue (55%)



- Red (54%)
- Yellow (45%)
- Blue (55%)



- Cyan (1%)
- Magenta (17%)
- Yellow (0%)
- Black (45%)



- Cyan (46%)
- Magenta (55%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2221, 19.6732, 27.1049 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 21.2221, 19.6732, 27.1049 by changing the saturation by 10% instead.

■ 21.2221, 19.6732,
27.1049

■ 21.2221, 19.6732,
27.1049

251.1659,
250.1404, 301.9409

■ 13.3998, 12.1577,
17.4189

■ 44.9454, 42.8686,
56.0579

■ 7.7833, 6.8512,
10.3685

■ 61.5771, 59.3173,
76.1620

■ 4.0073, 3.3692,
5.5352

■ 81.8760, 79.5125,
100.5759

■ 1.7062, 1.3274,
2.5004

106.2075,
103.8387, 129.7181

■ 0.4602, 0.1623,
0.8404

134.9368,
132.6802, 164.0072

■ 0.0000, 0.0000,
0.0000

168.4295,

166.4213, 203.8616

207.0507,
205.4466, 249.7000

■ 21.2221, 19.6732,
27.1049

■ 21.2221, 19.6732,
27.1049

■ 19.5414, 16.6040,
26.6014

■ 23.1460, 23.2248,
27.6893

■ 18.0914, 13.9933,
26.1739

■ 25.3212, 27.2761,
28.3567

■ 16.8614, 11.8193,
25.8191

■ 27.7578, 31.8468,
29.1105

■ 15.8390, 10.0571,
25.5328

■ 30.4646, 36.9547,
29.9537

■ 15.0104, 8.6795,
25.3106

■ 33.4502, 42.6167,
30.8893

■ 14.3605, 7.6558,
25.1473

■ 36.7226, 48.8491,
31.9197

■ 13.8716, 6.9510,
25.0370

■ 40.2897, 55.6674,
33.0478

■ 13.5141, 6.5058,
24.9699

■ 44.1588, 63.0865,
34.2759

■ 13.3997, 6.3695,
24.9496

■ 48.3373, 71.1209,
35.6065

Harmonies

Analogous

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



19.9018, 19.6732, 30.4628



21.2221, 19.6732, 27.1049



21.8724, 19.6732, 22.5189

Triad

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



21.2221, 19.6732, 27.1049



19.0784, 19.6732, 13.9065



16.0410, 19.6732, 24.9750

Complementary

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



21.2221, 19.6732, 27.1049



19.8569, 23.5783, 20.0284

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.



15.8480, 19.6732, 20.3589



21.2221, 19.6732, 27.1049



17.5452, 19.6732, 14.3724

Square

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



21.2221, 19.6732, 27.1049



20.5904, 19.6732, 15.2161



16.3839, 19.6732, 16.5927



16.9267, 19.6732, 29.1175

Rectangle

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



21.2221, 19.6732, 27.1049



21.8142, 19.6732, 19.5454



16.3839, 19.6732, 16.5927



15.8951, 19.6732, 23.4124

Sweetspot

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



21.2227, 19.6741, 27.1053



41.9813, 42.5772, 49.7485



18.3773, 18.6056, 27.0491



9.6203, 9.7120, 11.4470



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.



21.2227, 19.6741, 27.1053



36.7840, 32.9935, 48.1726



20.9093, 19.5869, 23.7280



5.1917, 5.1073, 6.3180



12.1009, 5.7523, 22.5182



0.0862, 0.0412, 0.1499

Inverse Universe

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



20.1635, 19.2886, 19.8008



34.5132, 32.1695, 32.4026



20.1502, 23.6645, 22.9755



5.0494, 5.0552, 5.3486



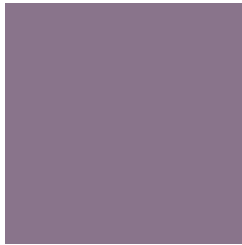
9.6734, 4.9795, 0.7843



0.0663, 0.0339, 0.0158

Previews

White Background



This preview shows how the XYZ color 21.2221, 19.6732, 27.1049 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 21.2221, 19.6732, 27.1049 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 21.2221, 19.6732, 27.1049

Background



This preview shows how black text looks on a background with the XYZ color 21.2221, 19.6732, 27.1049.



This preview shows how white text looks on a background with the XYZ color 21.2221, 19.6732,

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

21.2221, 19.6732, 27.1049

Protanopia

19.5252, 19.8242, 28.7840

Deuteranopia

20.0563, 19.7799, 26.8056



Tritanopia

20.3009, 19.6401, 22.7996

Trichromacy



Original Color

21.2221, 19.6732, 27.1049

Protanomaly

20.2031, 19.8216, 28.3523

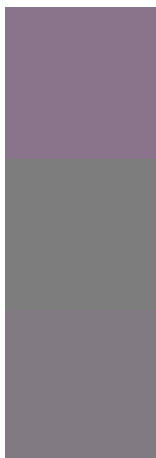
Deuteranomaly

20.5443, 19.8539, 26.7941

Tritanomaly

20.6114, 19.5955, 24.1687

Monochromacy



Original Color

21.2221, 19.6732, 27.1049

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.0421, 20.1979, 23.9613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2221, 19.6732, 27.1049 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(137, 116, 139)` looks like.

```
.text, #text, p{  
    color:rgb(137, 116, 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(137, 116, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 116, 139) }
```

Border

The CSS property to change the border of an element to XYZ 21.2221, 19.6732, 27.1049 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(137, 116, 139) }
```


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

```
.border{ border-color:rgb(137, 116, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 116, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 116, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 116, 139);  
box-shadow:4px 4px 4px 4px rgb(137, 116,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2221, 19.6732, 27.1049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 116, 139) }
```

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

```
.background{ background-color: rgb(137,  
116, 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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