

Converting Colors

XYZ(19.6063, 18.2975, 22.7181)

Have a look what the booklet for
XYZ(19.6063, 18.2975, 22.7181)
contains.

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Color

**XYZ(19.6166, 18.2715,
22.5715)**

Conversions

Conversions Part 1

Format	Color
Hex	87707F
RGB	135, 112, 127
RGB Percent	53%, 44%, 50%
CMY	0.4706, 0.5608, 0.5020
CMYK	0.00, 0.17, 0.06, 0.47
HSL	321°, 9%, 48%
HSV	321°, 17%, 53%
XYZ	19.6166, 18.2715, 22.5715
YIQ	120.5870, 8.8930, 9.5410

Conversions

Conversions Part 2

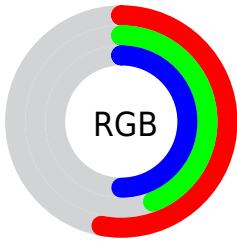
Format	Color
R_{YB}	135, 112, 127
Decimal	8876159
CIE Lab	49.82, 11.76, -4.88
CIE LCh	50, 12.731, 337.472
Yxy	18.2715, 0.3245, 0.3022
Android (android.graphics.Color)	4287066239 (0xFF87707F)
YUV	120.5870, 3.1616, 12.6402
Hunter-Lab	42.7452, 7.1131, -1.3863

Details

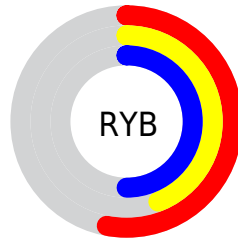
The XYZ color **19.6166, 18.2715, 22.5715** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7369, 22.1293, 21.0542**, and the grayscale version is **18.0294, 18.9683, 20.6565**.

A 20% lighter version of the original color is **42.2527, 40.5376, 48.7776**, and **6.9549, 6.1481, 8.0279** is the 20% darker color. If you saturate the color by 10%, you get **17.9385, 15.3935, 20.5372**, and if you desaturate by 10%, it is **21.5334, 21.6036, 24.7562**.

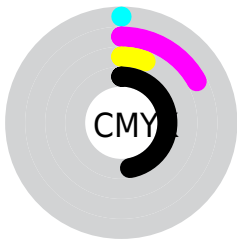
Distribution



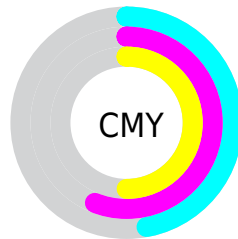
- Red (53%)
- Green (44%)
- Blue (50%)



- Red (53%)
- Yellow (44%)
- Blue (50%)



- Cyan (0%)
- Magenta (17%)
- Yellow (6%)
- Black (47%)



- Cyan (47%)
- Magenta (56%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6166, 18.2715, 22.5715 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 19.6166, 18.2715, 22.5715 by changing the saturation by 10% instead.

■ 19.6166, 18.2715,
22.5715

■ 19.6166, 18.2715,
22.5715

242.7052,
242.3969, 278.5667

■ 12.2233, 11.1451,
14.0751

■ 42.2823, 40.4994,
48.6030

■ 6.9692, 6.1645,
8.0336

■ 58.2854, 56.3697,
66.9752

■ 3.4890, 2.9454,
4.0284

■ 77.8892, 75.9234,
89.4764

■ 1.4173, 1.1033,
1.6409

■ 101.4590, 99.5449,
116.5252

■ 0.2685, 0.0000,
0.3198

129.3601,
127.6186, 148.5401

■ 0.0000, 0.0000,
0.0000

161.9580,

160.5289, 185.9396

199.6179,
198.6602, 229.1423

■ 19.6166, 18.2715,
22.5715

■ 19.6166, 18.2715,
22.5715

■ 17.9385, 15.3935,
20.5372

■ 21.5334, 21.6036,
24.7562

■ 16.4873, 12.9471,
18.6478

■ 23.6968, 25.4059,
27.0942

■ 15.2528, 10.9119,
16.8991

■ 26.1163, 29.6969,
29.5898

■ 14.2233, 9.2647,
15.2863

■ 28.8003, 34.4933,
32.2467

■ 13.3857, 7.9797,
13.8039

■ 31.7569, 39.8109,
35.0685

■ 12.7256, 7.0286,
12.4461

■ 34.9939, 45.6650,
38.0586

■ 12.2262, 6.3781,
11.2063

■ 38.5187, 52.0701,
41.2204

■ 11.8566, 5.9664,
10.0731

■ 42.3385, 59.0403,
44.5571

■ 11.7549, 5.8562,
9.7517

■ 46.4601, 66.5891,
48.0718

Harmonies

Analogous

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



18.8279, 18.2715, 25.6952



19.6166, 18.2715, 22.5715



19.7891, 18.2715, 19.0365

Triad

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



19.6166, 18.2715, 22.5715



17.0643, 18.2715, 13.9673



15.5765, 18.2715, 24.2520

Complementary

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



19.6166, 18.2715, 22.5715



18.7369, 22.1293, 21.0542

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.



15.1502, 18.2715, 20.7780



19.6166, 18.2715, 22.5715



15.9828, 18.2715, 15.0400

Square

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



19.6166, 18.2715, 22.5715



18.2777, 18.2715, 14.3290



15.2954, 18.2715, 17.4381



16.4862, 18.2715, 26.7417

Rectangle

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



19.6166, 18.2715, 22.5715



19.5243, 18.2715, 16.9631



15.2954, 18.2715, 17.4381



15.3739, 18.2715, 23.1457

Sweetspot

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



19.6171, 18.2723, 22.5719



39.2720, 39.9305, 45.1167



17.8676, 17.3077, 25.3210



9.0422, 9.1551, 10.3905



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



19.6171, 18.2723, 22.5719



34.0573, 30.8731, 39.1482



18.9292, 17.9971, 18.9491



4.7909, 4.7360, 5.5112



10.8457, 5.4026, 9.0260



0.0410, 0.0201, 0.0495

Inverse Universe

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



19.6171, 18.2723, 22.5719



34.0573, 30.8731, 39.1482



19.4547, 22.4164, 24.8339



4.7909, 4.7360, 5.5112



10.8457, 5.4026, 9.0260



0.0410, 0.0201, 0.0495

Previews

White Background



This preview shows how the XYZ color 19.6166, 18.2715, 22.5715 looks on a white background.

Color Contrast Check

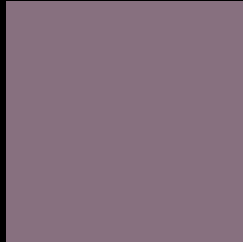
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.6166, 18.2715, 22.5715 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 19.6166, 18.2715, 22.5715

Background



This preview shows how black text looks on a background with the XYZ color 19.6166, 18.2715, 22.5715.



This preview shows how white text looks on a background with the XYZ color 19.6166, 18.2715,

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

19.6166, 18.2715, 22.5715

Protanopia

17.9113, 18.3775, 24.0759

Deuteranopia

18.6490, 18.2799, 22.2841



Tritanopia

19.2495, 18.2837, 20.9269

Trichromacy



Original Color

19.6166, 18.2715, 22.5715

Protanomaly

18.5868, 18.3876, 23.6886

Deuteranomaly

18.9891, 18.2868, 22.2675

Tritanomaly

19.3747, 18.3338, 21.5864

Monochromacy



Original Color

19.6166, 18.2715, 22.5715

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6578, 18.8225, 21.3886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6166, 18.2715, 22.5715 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(135, 112, 127)` looks like.

```
.text, #text, p{  
    color:rgb(135, 112, 127)  
}
```

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(135, 112, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 112, 127) }
```

Border

The CSS property to change the border of an element to XYZ 19.6166, 18.2715, 22.5715 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(135, 112, 127) }
```


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

```
.border{ border-color:rgb(135, 112, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 112, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 112, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 112, 127);  
box-shadow:4px 4px 4px 4px rgb(135, 112,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6166, 18.2715, 22.5715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 112, 127) }
```

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

```
.background{ background-color: rgb(135,  
112, 127) }
```

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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