

Converting Colors

XYZ(19.8042, 20.2244, 33.8650)

Have a look what the booklet for
XYZ(19.8042, 20.2244, 33.8650)
contains.

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Color

**XYZ(19.8061, 20.2266,
33.8706)**

Conversions

Conversions Part 1

Format	Color
Hex	707C9B
RGB	112, 124, 155
RGB Percent	44%, 49%, 61%
CMY	0.5608, 0.5137, 0.3922
CMYK	0.28, 0.20, 0.00, 0.39
HSL	223°, 18%, 52%
HSV	223°, 28%, 61%
XYZ	19.8061, 20.2266, 33.8706
YIQ	123.9460, -17.1030, 7.0970

Conversions

Conversions Part 2

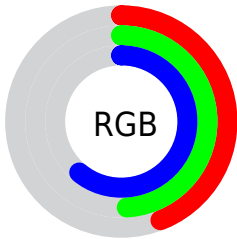
Format	Color
R _Y B	112, 121, 155
Decimal	7371931
CIE Lab	52.09, 2.93, -18.11
CIE LCh	52, 18.349, 279.185
Yxy	20.2266, 0.2680, 0.2737
Android (android.graphics.Color)	4285562011 (0xFF707C9B)
YUV	123.9460, 15.3096, -10.4766
Hunter-Lab	44.9740, -0.0949, -13.1704

Details

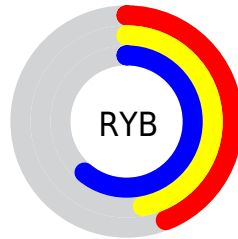
The XYZ color **19.8061, 20.2266, 33.8706** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.2649, 27.7834, 19.3081**, and the grayscale version is **19.0954, 20.0899, 21.8778**.

A 20% lighter version of the original color is **42.6752, 43.7031, 67.1591**, and **7.0647, 7.0884, 14.0926** is the 20% darker color. If you saturate the color by 10%, you get **16.6793, 16.6527, 33.3459**, and if you desaturate by 10%, it is **23.4324, 24.2945, 34.4650**.

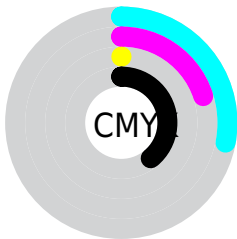
Distribution



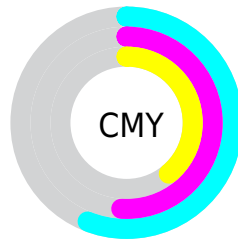
- Red (44%)
- Green (49%)
- Blue (61%)



- Red (44%)
- Yellow (47%)
- Blue (61%)



- Cyan (28%)
- Magenta (20%)
- Yellow (0%)
- Black (39%)



- Cyan (56%)
- Magenta (51%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8061, 20.2266, 33.8706 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 19.8061, 20.2266, 33.8706 by changing the saturation by 10% instead.

■ 19.8061, 20.2266,
33.8706

■ 19.8061, 20.2266,
33.8706

243.7171,
253.1392, 334.3062

■ 12.3616, 12.5599,
22.5177

■ 42.5983, 43.7968,
66.8640

■ 7.0644, 7.1262,
14.0358

■ 58.6767, 60.4690,
89.3415

■ 3.5491, 3.5411,
8.0065

■ 78.3638, 80.9118,
116.3643

■ 1.4504, 1.4203,
4.0113

■ 102.0250,
105.5097, 148.3509

■ 0.2917, 0.2316,
1.6315

130.0255,
134.6470, 185.7198

■ 0.0000, 0.0000,
0.3132

162.7308,

■ 0.0000, 0.0000,

168.7081, 228.8897

0.0000

200.5062,
208.0773, 278.2790

■ 19.8061, 20.2266,
33.8706

■ 19.8061, 20.2266,
33.8706

■ 16.6793, 16.6527,
33.3459

■ 23.4324, 24.2945,
34.4650

■ 14.0274, 13.5510,
32.8870

■ 27.5775, 28.8724,
35.1302

■ 11.8266, 10.9013,
32.4915

■ 32.2619, 33.9786,
35.8688

■ 10.0501, 8.6810,
32.1566

■ 37.5044, 39.6295,
36.6833

■ 8.6679, 6.8655,
31.8790

■ 43.3231, 45.8409,
37.5755

■ 7.6461, 5.4272,
31.6553

■ 49.7349, 52.6280,
38.5476

■ 6.9289, 4.3264,
31.4806

■ 56.7563, 60.0055,
39.6016

■ 6.7898, 4.1133,
31.4468

■ 64.4030, 67.9872,
40.7392

■ 72.6902, 76.5869,
41.9623

Harmonies

Analogous

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



17.9718, 20.2266, 33.1542



19.8061, 20.2266, 33.8706



21.5941, 20.2266, 31.0358

Triad

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



19.8061, 20.2266, 33.8706



22.1571, 20.2266, 16.1220



16.0476, 20.2266, 18.5540

Complementary

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



19.8061, 20.2266, 33.8706



26.2649, 27.7834, 19.3081

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.



17.0355, 20.2266, 14.9500



19.8061, 20.2266, 33.8706



20.5347, 20.2266, 13.7126

Square

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



19.8061, 20.2266, 33.8706



23.0083, 20.2266, 20.4157



18.6549, 20.2266, 13.3215



15.8806, 20.2266, 23.7132

Rectangle

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



19.8061, 20.2266, 33.8706



22.4906, 20.2266, 27.7478



18.6549, 20.2266, 13.3215



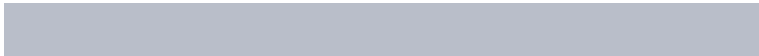
16.2915, 20.2266, 17.1459

Sweetspot

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



19.8067, 20.2274, 33.8711



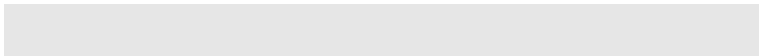
49.0610, 51.3483, 62.8617



23.3479, 28.8655, 30.2553



10.8524, 11.3453, 14.1882



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.8067, 20.2274, 33.8711



32.0602, 32.3417, 60.0891



19.6406, 18.0433, 33.4582



6.0179, 6.2931, 7.8265



5.4823, 3.3613, 25.2676



0.1097, 0.1057, 0.3870

Inverse Universe

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



22.9503, 20.0126, 21.7229



38.6618, 32.1173, 34.5266



26.4442, 30.6950, 19.8607



6.2761, 6.2496, 6.8342



11.2260, 5.7446, 2.4491



0.1818, 0.0915, 0.1103

Previews

White Background



This preview shows how the XYZ color 19.8061, 20.2266, 33.8706 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 19.8061, 20.2266, 33.8706 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

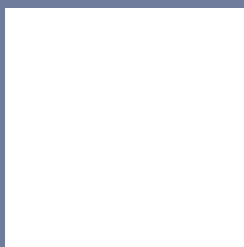
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8061, 20.2266, 33.8706

Background



This preview shows how black text looks on a background with the XYZ color 19.8061, 20.2266, 33.8706.

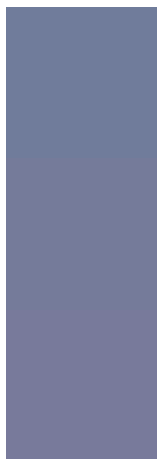


This preview shows how white text looks on a background with the XYZ color 19.8061, 20.2266,

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

19.8061, 20.2266, 33.8706

Protanopia

20.2518, 20.2809, 33.4191

Deuteranopia

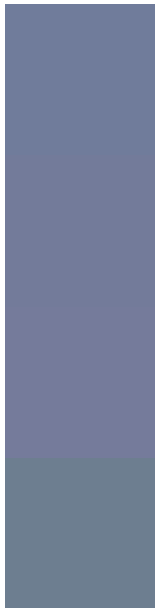
20.6217, 20.2787, 33.8376



Tritanopia

18.2891, 20.1730, 26.5968

Trichromacy



Original Color

19.8061, 20.2266, 33.8706

Protanomaly

19.9859, 20.1438, 33.4066

Deuteranomaly

20.3355, 20.3144, 33.8596

Tritanomaly

18.8016, 20.1865, 29.2910

Monochromacy



Original Color

19.8061, 20.2266, 33.8706

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.3266, 20.1576, 25.7939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8061, 20.2266, 33.8706 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(112, 124, 155)` looks like.

```
.text, #text, p{  
    color:rgb(112, 124, 155)  
}
```

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(112, 124, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 124, 155) }
```

Border

The CSS property to change the border of an element to XYZ 19.8061, 20.2266, 33.8706 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(112, 124, 155) }
```


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

```
.border{ border-color:rgb(112, 124, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 124, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 124, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 124, 155); box-shadow:4px 4px 4px 4px rgb(112, 124, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8061, 20.2266, 33.8706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 124, 155) }
```

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

```
.background{ background-color: rgb(112,  
124, 155) }
```

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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