

Converting Colors

XYZ(19.3107, 19.7425, 28.5991)

Have a look what the booklet for
XYZ(19.3107, 19.7425, 28.5991)
contains.

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Color

**XYZ(19.3887, 19.7538,
28.7776)**

Conversions

Conversions Part 1

Format	Color
Hex	767A8F
RGB	118, 122, 143
RGB Percent	46%, 48%, 56%
CMY	0.5372, 0.5216, 0.4392
CMYK	0.17, 0.15, 0.00, 0.44
HSL	230°, 10%, 51%
HSV	230°, 17%, 56%
XYZ	19.3887, 19.7538, 28.7776
YIQ	123.1980, -9.1250, 5.6830

Conversions

Conversions Part 2

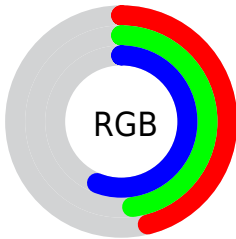
Format	Color
R_{YB}	118, 121, 143
Decimal	7764623
CIE _{Lab}	51.56, 3.14, -11.87
CIE _{LCh}	52, 12.278, 284.802
Yxy	19.7538, 0.2855, 0.2908
Android (android.graphics.Color)	4285954703 (0xFF767A8F)
YUV	123.1980, 9.7624, -4.5586
Hunter-Lab	44.4452, 0.0893, -7.2777

Details

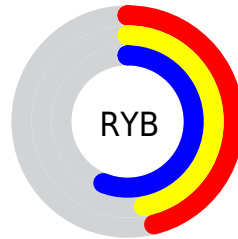
The XYZ color **19.3887, 19.7538, 28.7776** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.8305, 25.6129, 20.8278**, and the grayscale version is **18.8635, 19.8459, 21.6122**.

A 20% lighter version of the original color is **41.7917, 42.8494, 58.8914**, and **6.8126, 6.8206, 11.3134** is the 20% darker color. If you saturate the color by 10%, you get **16.2073, 16.0584, 28.2323**, and if you desaturate by 10%, it is **23.0480, 23.9672, 29.3983**.

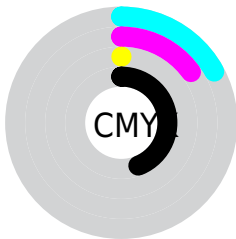
Distribution



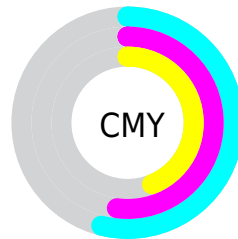
- Red (46%)
- Green (48%)
- Blue (56%)



- Red (46%)
- Yellow (47%)
- Blue (56%)



- Cyan (17%)
- Magenta (15%)
- Yellow (0%)
- Black (44%)



- Cyan (54%)
- Magenta (52%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3887, 19.7538, 28.7776 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 19.3887, 19.7538, 28.7776 by changing the saturation by 10% instead.

■ 19.3887, 19.7538,
28.7776

■ 19.3887, 19.7538,
28.7776

241.4834,
250.5792, 310.1922

■ 12.0571, 12.2162,
18.6685

■ 41.9017, 43.0040,
58.7615

■ 6.8551, 6.8911,
11.2566

■ 57.8139, 59.4854,
79.4734

■ 3.4172, 3.3941,
6.1234

■ 77.3169, 79.7169,
104.5567

■ 1.3780, 1.3408,
2.8502

100.7763,
104.0829, 134.4298

■ 0.2405, 0.1724,
1.0187

128.5572,
132.9677, 169.5114

■ 0.0000, 0.0000,
0.0000

161.0252,

166.7557, 210.2200

198.5454,
205.8314, 256.9741

■ 19.3887, 19.7538,
28.7776

■ 19.3887, 19.7538,
28.7776

■ 16.2073, 16.0584,
28.2323

■ 23.0480, 23.9672,
29.3983

■ 13.4823, 12.8586,
27.7583

■ 27.2021, 28.7151,
30.0958

■ 11.1929, 10.1337,
27.3530

■ 31.8693, 34.0164,
30.8731

■ 9.3162, 7.8609,
27.0132

■ 37.0663, 39.8881,
31.7325

■ 7.8271, 6.0151,
26.7354

■ 42.8092, 46.3466,
32.6765

■ 6.6977, 4.5691,
26.5159

■ 49.1132, 53.4078,
33.7071

■ 5.8963, 3.4922,
26.3502

■ 55.9932, 61.0866,
34.8267

■ 5.3705, 2.7413,
26.2330

■ 63.4632, 69.3978,
36.0372

■ 5.2622, 2.5915,
26.2098

■ 71.5369, 78.3554,
37.3406

Harmonies

Analogous

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



18.1596, 19.7538, 28.7628



19.3887, 19.7538, 28.7776



20.4992, 19.7538, 26.7047

Triad

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



19.3887, 19.7538, 28.7776



20.5115, 19.7538, 17.0628



16.5755, 19.7538, 19.7742

Complementary

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



19.3887, 19.7538, 28.7776



23.8305, 25.6129, 20.8278

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.



17.1511, 19.7538, 17.0343



19.3887, 19.7538, 28.7776



19.4049, 19.7538, 15.5897

Square

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



19.3887, 19.7538, 28.7776



21.1665, 19.7538, 19.8172



18.1752, 19.7538, 15.5799



16.5715, 19.7538, 23.2934

Rectangle

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



19.3887, 19.7538, 28.7776



21.0074, 19.7538, 24.5363



18.1752, 19.7538, 15.5799



16.7074, 19.7538, 18.7407

Sweetspot

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



19.3893, 19.7546, 28.7780



42.9611, 44.8533, 52.9313



21.9421, 25.3561, 28.1004



9.7483, 10.1671, 12.1209



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.3893, 19.7546, 28.7780



32.3649, 32.6458, 51.1335



20.0903, 19.4016, 28.6730



5.1950, 5.3858, 6.7945



4.6636, 2.3133, 23.1778



0.0552, 0.0433, 0.2251

Inverse Universe

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



21.3195, 20.2022, 21.1890



36.5048, 33.6539, 34.8455



23.0310, 26.0766, 20.9595



5.4419, 5.4373, 5.8251



10.1571, 5.2199, 1.2127



0.1025, 0.0520, 0.0398

Previews

White Background



This preview shows how the XYZ color 19.3887, 19.7538, 28.7776 looks on a white background.

Color Contrast Check

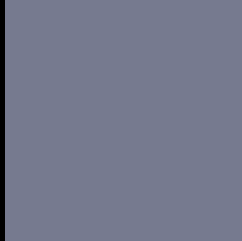
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3887, 19.7538, 28.7776 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

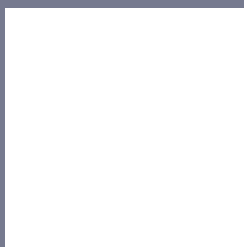
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3887, 19.7538, 28.7776

Background



This preview shows how black text looks on a background with the XYZ color 19.3887, 19.7538, 28.7776.



This preview shows how white text looks on a background with the XYZ color 19.3887, 19.7538,

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

19.3887, 19.7538, 28.7776

Protanopia

19.5252, 19.8242, 28.7840

Deuteranopia

20.1318, 19.7761, 28.7427



Tritanopia

18.6437, 19.8218, 25.0337

Trichromacy



Original Color

19.3887, 19.7538, 28.7776

Protanomaly

19.5252, 19.8242, 28.7840

Deuteranomaly

19.8213, 19.7955, 28.7628

Tritanomaly

18.9344, 19.7540, 26.4819

Monochromacy



Original Color

19.3887, 19.7538, 28.7776

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9974, 19.8426, 23.9478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3887, 19.7538, 28.7776 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(118, 122, 143)` looks like.

```
.text, #text, p{  
    color:rgb(118, 122, 143)  
}
```

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(118, 122, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 122, 143) }
```

Border

The CSS property to change the border of an element to XYZ 19.3887, 19.7538, 28.7776 is called "border". The border property can be set on classes, ids or directly on the HTML element.

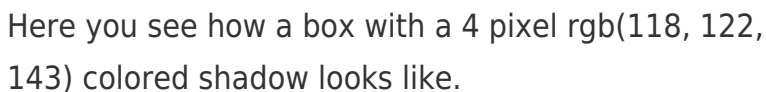
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 122, 143) }
```


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

```
.border{ border-color:rgb(118, 122, 143) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 122, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 122, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 122, 143); box-shadow:4px 4px 4px 4px rgb(118, 122, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3887, 19.7538, 28.7776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 122, 143) }
```

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

```
.background{ background-color: rgb(118,  
122, 143) }
```

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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