

Converting Colors

XYZ(19.6979, 20.2902, 28.4694)

Have a look what the booklet for
XYZ(19.6979, 20.2902, 28.4694)
contains.

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Color

**XYZ(19.6979, 20.2902,
28.4694)**

Conversions

Conversions Part 1

Format	Color
Hex	777C8E
RGB	119, 124, 142
RGB Percent	47%, 49%, 56%
CMY	0.5333, 0.5137, 0.4431
CMYK	0.16, 0.13, 0.00, 0.44
HSL	227°, 9%, 51%
HSV	227°, 16%, 56%
XYZ	19.6979, 20.2902, 28.4694
YIQ	124.5570, -8.7580, 4.5380

Conversions

Conversions Part 2

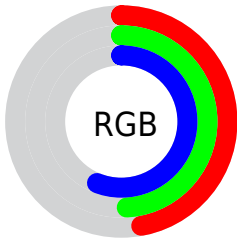
Format	Color
R _Y B	119, 123, 142
Decimal	7830670
CIE Lab	52.16, 2.08, -10.37
CIE LCh	52, 10.573, 281.351
Yxy	20.2902, 0.2877, 0.2964
Android (android.graphics.Color)	4286020750 (0xFF777C8E)
YUV	124.5570, 8.5994, -4.8735
Hunter-Lab	45.0446, -0.7706, -5.9416

Details

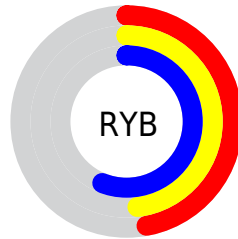
The XYZ color **19.6979, 20.2902, 28.4694** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.4310, 24.9741, 21.0388**, and the grayscale version is **19.3189, 20.3250, 22.1339**.

A 20% lighter version of the original color is **42.2837, 43.6941, 58.4298**, and **6.9736, 7.1070, 11.1294** is the 20% darker color. If you saturate the color by 10%, you get **16.5779, 16.7300, 27.9470**, and if you desaturate by 10%, it is **23.2673, 24.3161, 29.0587**.

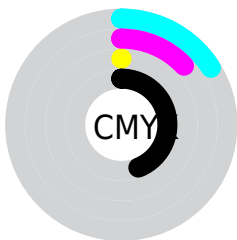
Distribution



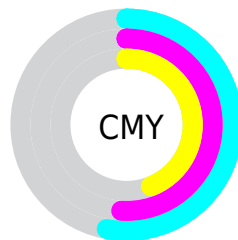
- Red (47%)
- Green (49%)
- Blue (56%)



- Red (47%)
- Yellow (48%)
- Blue (56%)



- Cyan (16%)
- Magenta (13%)
- Yellow (0%)
- Black (44%)



- Cyan (53%)
- Magenta (51%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6979, 20.2902, 28.4694 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 19.6979, 20.2902, 28.4694 by changing the saturation by 10% instead.

■ 19.6979, 20.2902,
28.4694

■ 19.6979, 20.2902,
28.4694

243.1398,
253.4818, 308.6853

■ 12.2826, 12.6062,
18.4377

■ 42.4179, 43.9032,
58.2651

■ 7.0100, 7.1579,
11.0920

■ 58.4534, 60.6009,
78.8661

■ 3.5148, 3.5611,
6.0138

■ 78.0930, 81.0721,
103.8274

■ 1.4315, 1.4312,
2.7845

101.7020,
105.7009, 133.5673

■ 0.2785, 0.2395,
0.9857

129.6458,
134.8719, 168.5046

■ 0.0000, 0.0000,
0.0000

162.2898,

168.9695, 209.0576

199.9994,
208.3780, 255.6450

■ 19.6979, 20.2902,
28.4694

■ 19.6979, 20.2902,
28.4694

■ 16.5779, 16.7300,
27.9470

■ 23.2673, 24.3161,
29.0587

■ 13.8873, 13.6161,
27.4877

■ 27.3014, 28.8213,
29.7156

■ 11.6076, 10.9311,
27.0896

■ 31.8167, 33.8219,
30.4429

■ 9.7178, 8.6557,
26.7501

■ 36.8286, 39.3327,
31.2424

■ 8.1954, 6.7691,
26.4661

■ 42.3518, 45.3675,
32.1161

■ 7.0151, 5.2485,
26.2348

■ 48.4004, 51.9400,
33.0660

■ 6.1484, 4.0685,
26.0527

■ 54.9877, 59.0630,
34.0937

■ 5.5542, 3.1960,
25.9157

■ 62.1268, 66.7491,
35.2009

■ 5.3693, 2.9265,
25.8734

■ 69.8303, 75.0105,
36.3895

Harmonies

Analogous

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



18.6271, 20.2902, 28.2374



19.6979, 20.2902, 28.4694



20.6937, 20.2902, 26.8777

Triad

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



19.6979, 20.2902, 28.4694



20.8907, 20.2902, 18.3828



17.3791, 20.2902, 20.2402

Complementary

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



19.6979, 20.2902, 28.4694



23.4310, 24.9741, 21.0388

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.



17.9422, 20.2902, 17.9120



19.6979, 20.2902, 28.4694



19.9587, 20.2902, 16.9109

Square

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



19.6979, 20.2902, 28.4694



21.3994, 20.2902, 20.9397



18.8784, 20.2902, 16.7470



17.3151, 20.2902, 23.2870

Rectangle

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



19.6979, 20.2902, 28.4694



21.1706, 20.2902, 25.0764



18.8784, 20.2902, 16.7470



17.5152, 20.2902, 19.3553

Sweetspot

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



19.6985, 20.2910, 28.4699



41.7662, 43.7050, 51.3625



21.7703, 25.0640, 27.2200



9.2357, 9.6575, 11.4567



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.



19.6985, 20.2910, 28.4699



32.8916, 33.6849, 49.8961



19.9567, 19.5172, 28.3069



5.2188, 5.4334, 6.8024



4.8326, 2.6513, 23.2341



0.0600, 0.0529, 0.2267

Inverse Universe

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



21.3908, 20.4002, 21.8799



36.4003, 33.9567, 36.2221



23.1349, 25.9014, 21.2334



5.4539, 5.4421, 5.8883



10.2424, 5.2540, 1.6619



0.1049, 0.0530, 0.0525

Previews

White Background



This preview shows how the XYZ color 19.6979, 20.2902, 28.4694 looks on a white background.

Color Contrast Check

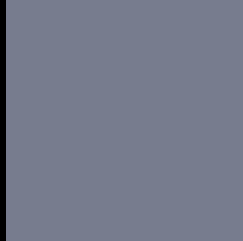
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6979, 20.2902, 28.4694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

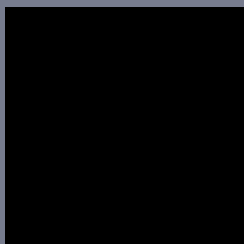
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

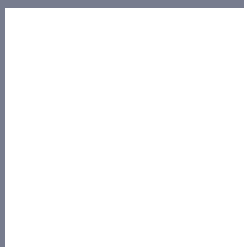
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6979, 20.2902, 28.4694

Background



This preview shows how black text looks on a background with the XYZ color 19.6979, 20.2902, 28.4694.



This preview shows how white text looks on a background with the XYZ color 19.6979, 20.2902,

28.4694.

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

19.6979, 20.2902, 28.4694

Protanopia

19.8506, 20.1839, 28.4408

Deuteranopia

20.6974, 20.2471, 28.8038



Tritanopia

19.1780, 20.2681, 25.8230

Trichromacy



Original Color

19.6979, 20.2902, 28.4694

Protanomaly

19.7112, 20.1120, 28.4343

Deuteranomaly

20.3749, 20.2622, 28.8237

Tritanomaly

19.3923, 20.3538, 26.9513

Monochromacy



Original Color

19.6979, 20.2902, 28.4694

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.5987, 20.5169, 24.3999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6979, 20.2902, 28.4694 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(119, 124, 142)` looks like.

```
.text, #text, p{  
    color:rgb(119, 124, 142)  
}
```

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(119, 124, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 124, 142) }
```

Border

The CSS property to change the border of an element to XYZ 19.6979, 20.2902, 28.4694 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(119, 124, 142) }
```


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

```
.border{ border-color:rgb(119, 124, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 124, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 124, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 124, 142);  
box-shadow:4px 4px 4px 4px rgb(119, 124,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6979, 20.2902, 28.4694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 124, 142) }
```

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

```
.background{ background-color: rgb(119,  
124, 142) }
```

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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