

Converting Colors

XYZ(19.7175, 19.4702, 22.4546)

Have a look what the booklet for
XYZ(19.7175, 19.4702, 22.4546)
contains.

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Color

**XYZ(19.7228, 19.5253,
22.4679)**

Conversions

Conversions Part 1

Format	Color
Hex	83777E
RGB	131, 119, 126
RGB Percent	51%, 47%, 49%
CMY	0.4863, 0.5333, 0.5059
CMYK	0.00, 0.09, 0.04, 0.49
HSL	325°, 5%, 49%
HSV	325°, 9%, 51%
XYZ	19.7228, 19.5253, 22.4679
YIQ	123.3860, 4.9050, 4.7210

Conversions

Conversions Part 2

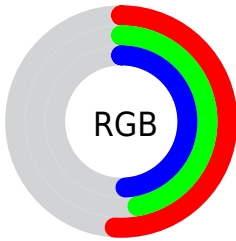
Format	Color
R_{YB}	131, 119, 126
Decimal	8615806
CIE _{Lab}	51.30, 5.94, -2.16
CIE _{LCh}	51, 6.324, 340.053
Yxy	19.5253, 0.3196, 0.3164
Android (android.graphics.Color)	4286805886 (0xFF83777E)
YUV	123.3860, 1.2887, 6.6775
Hunter-Lab	44.1874, 2.3444, 0.7841

Details

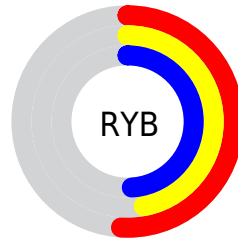
The XYZ color **19.7228, 19.5253, 22.4679** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.3629, 21.6103, 22.2205**, and the grayscale version is **18.9495, 19.9363, 21.7106**.

A 20% lighter version of the original color is **42.4668, 42.5708, 48.6266**, and **7.0725, 6.8361, 7.9679** is the 20% darker color. If you saturate the color by 10%, you get **17.9274, 16.4827, 20.1786**, and if you desaturate by 10%, it is **21.7535, 23.0071, 24.9309**.

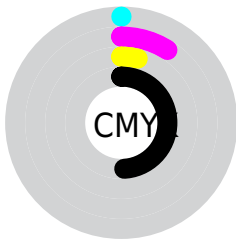
Distribution



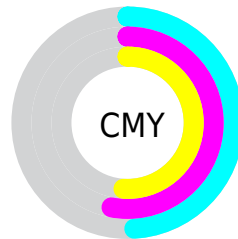
- Red (51%)
- Green (47%)
- Blue (49%)



- Red (51%)
- Yellow (47%)
- Blue (49%)



- Cyan (0%)
- Magenta (9%)
- Yellow (4%)
- Black (49%)



- Cyan (49%)
- Magenta (53%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7228, 19.5253, 22.4679 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 19.7228, 19.5253, 22.4679 by changing the saturation by 10% instead.

■ 19.7228, 19.5253,
22.4679

■ 19.7228, 19.5253,
22.4679

243.2728,
249.3336, 278.0129

■ 12.3008, 12.0505,
13.9995

■ 42.4594, 42.6199,
48.4302

■ 7.0225, 6.7781,
7.9816

■ 58.5048, 59.0084,
66.7612

■ 3.5227, 3.3237,
3.9956

■ 78.1553, 79.1369,
89.2168

■ 1.4358, 1.3030,
1.6229

101.7763,
103.3898, 116.2155

■ 0.2815, 0.1435,
0.3071

129.7333,
132.1516, 148.1760

■ 0.0000, 0.0000,
0.0000

162.3914,

165.8065, 185.5167

200.1161,
204.7391, 228.6561

■ 19.7228, 19.5253,
22.4679

■ 19.7228, 19.5253,
22.4679

■ 17.9274, 16.4827,
20.1786

■ 21.7535, 23.0071,
24.9309

■ 16.3565, 13.8592,
18.0573

■ 24.0263, 26.9422,
27.5708

■ 15.0011, 11.6369,
16.0997

■ 26.5499, 31.3471,
30.3920

■ 13.8508, 9.7954,
14.3008

■ 29.3320, 36.2369,
33.3986

■ 12.8943, 8.3128,
12.6551

■ 32.3800, 41.6257,
36.5943

■ 12.1192, 7.1649,
11.1568

■ 35.7008, 47.5274,
39.9829

■ 11.5116, 6.3242,
9.7997

■ 39.3014, 53.9550,
43.5679

■ 11.0554, 5.7591,
8.5765

■ 43.1883, 60.9214,
47.3529

■ 10.7070, 5.3832,
7.4710

■ 47.3679, 68.4387,
51.3412

Harmonies

Analogous

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



19.3503, 19.5253, 24.0333



19.7228, 19.5253, 22.4679



19.7793, 19.5253, 20.6586

Triad

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



19.7228, 19.5253, 22.4679



18.3471, 19.5253, 18.0171



17.6445, 19.5253, 23.5762

Complementary

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



19.7228, 19.5253, 22.4679



19.3629, 21.6103, 22.2205

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.



17.3885, 19.5253, 21.8724



19.7228, 19.5253, 22.4679



17.7880, 19.5253, 18.7082

Square

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



19.7228, 19.5253, 22.4679



18.9754, 19.5253, 18.1564



17.4404, 19.5253, 20.0957



18.1472, 19.5253, 24.6979

Rectangle

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



19.7228, 19.5253, 22.4679



19.6288, 19.5253, 19.5658



17.4404, 19.5253, 20.0957



17.5272, 19.5253, 23.0487

Sweetspot

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



19.7234, 19.5261, 22.4683



37.4827, 38.6673, 42.8834



19.0065, 19.1184, 24.1615



8.6634, 8.8938, 9.9075



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



19.7234, 19.5261, 22.4683



34.6118, 33.7609, 39.3509



19.3478, 19.3759, 20.4904



4.7779, 4.7309, 5.4430



10.5129, 5.2695, 7.2734



0.0401, 0.0197, 0.0444

Inverse Universe

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



19.7234, 19.5261, 22.4683



34.6118, 33.7609, 39.3509



19.7539, 21.7667, 24.2797



4.7779, 4.7309, 5.4430



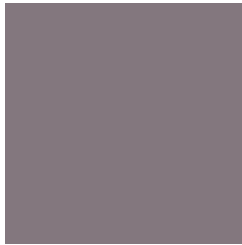
10.5129, 5.2695, 7.2734



0.0401, 0.0197, 0.0444

Previews

White Background



This preview shows how the XYZ color 19.7228, 19.5253, 22.4679 looks on a white background.

Color Contrast Check

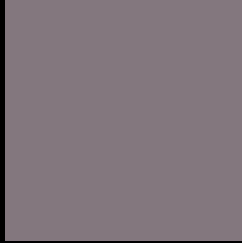
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7228, 19.5253, 22.4679 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 19.7228, 19.5253, 22.4679

Background



This preview shows how black text looks on a background with the XYZ color 19.7228, 19.5253, 22.4679.



This preview shows how white text looks on a background with the XYZ color 19.7228, 19.5253,

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

19.7228, 19.5253, 22.4679

Protanopia

19.0242, 19.6885, 23.2197

Deuteranopia

19.8784, 19.6055, 22.4752



Tritanopia

19.8532, 19.5775, 23.1545

Trichromacy



Original Color

19.7228, 19.5253, 22.4679

Protanomaly

19.2723, 19.6427, 22.8543

Deuteranomaly

19.8784, 19.6055, 22.4752

Tritanomaly

19.7877, 19.5513, 22.8095

Monochromacy



Original Color

19.7228, 19.5253, 22.4679

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2018, 19.8099, 21.8804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7228, 19.5253, 22.4679 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(131, 119, 126)` looks like.

```
.text, #text, p{  
    color:rgb(131, 119, 126)  
}
```

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(131, 119, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 119, 126) }
```

Border

The CSS property to change the border of an element to XYZ 19.7228, 19.5253, 22.4679 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(131, 119, 126) }
```


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

```
.border{ border-color:rgb(131, 119, 126) }
```

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

Here you see how a box with a 4 pixel rgb(131, 119, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 119, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 119, 126);  
box-shadow:4px 4px 4px 4px rgb(131, 119,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7228, 19.5253, 22.4679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 119, 126) }
```

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

```
.background{ background-color: rgb(131,  
119, 126) }
```

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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