

Converting Colors

XYZ(18.6867, 19.4541, 23.4198)

Have a look what the booklet for
XYZ(18.6867, 19.4541, 23.4198)
contains.

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Color

**XYZ(18.8071, 19.5690,
23.5548)**

Conversions

Conversions Part 1

Format	Color
Hex	797A81
RGB	121, 122, 129
RGB Percent	47%, 48%, 51%
CMY	0.5255, 0.5216, 0.4941
CMYK	0.06, 0.05, 0.00, 0.49
HSL	232°, 3%, 49%
HSV	232°, 6%, 51%
XYZ	18.8071, 19.5690, 23.5548
YIQ	122.4990, -2.8430, 1.9650

Conversions

Conversions Part 2

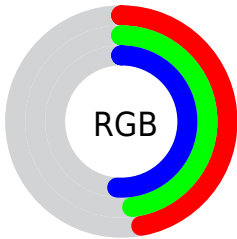
Format	Color
R_{YB}	121, 122, 129
Decimal	7961217
CIE Lab	51.35, 1.07, -3.95
CIE LCh	51, 4.091, 285.232
Yxy	19.5690, 0.3037, 0.3160
Android (android.graphics.Color)	4286151297 (0xFF797A81)
YUV	122.4990, 3.2050, -1.3146
Hunter-Lab	44.2369, -1.5260, -0.6043

Details

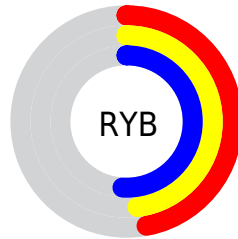
The XYZ color **18.8071, 19.5690, 23.5548** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.2236, 21.4856, 21.1706**, and the grayscale version is **18.6529, 19.6243, 21.3709**.

A 20% lighter version of the original color is **40.8131, 42.5337, 50.3147**, and **6.5030, 6.7220, 8.5441** is the 20% darker color. If you saturate the color by 10%, you get **15.8130, 16.0872, 23.0409**, and if you desaturate by 10%, it is **22.2050, 23.4989, 24.1346**.

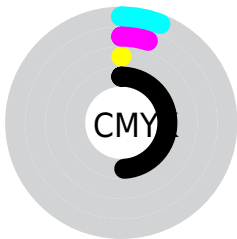
Distribution



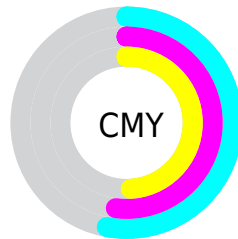
- Red (47%)
- Green (48%)
- Blue (51%)



- Red (47%)
- Yellow (48%)
- Blue (51%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)
- Black (49%)



- Cyan (53%)
- Magenta (52%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8071, 19.5690, 23.5548 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 18.8071, 19.5690, 23.5548 by changing the saturation by 10% instead.

■ 18.8071, 19.5690,
23.5548

■ 18.8071, 19.5690,
23.5548

238.3404,
249.5722, 283.7756

■ 11.6342, 12.0821,
14.7946

■ 40.9273, 42.6934,
50.2374

■ 6.5655, 6.7996,
8.5303

■ 56.6052, 59.0997,
68.9969

■ 3.2358, 3.3371,
4.3435

■ 75.8489, 79.2480,
91.9264

■ 1.2796, 1.3102,
1.8156

99.0236, 103.5226,
119.4447

■ 0.1679, 0.1491,
0.4382

126.4948,
132.3079, 151.9703

■ 0.0000, 0.0000,
0.0000

158.6277,

165.9883, 189.9216

195.7878,
204.9483, 233.7172

■ 18.8071, 19.5690,
23.5548

■ 18.8071, 19.5690,
23.5548

■ 15.8130, 16.0872,
23.0409

■ 22.2050, 23.4989,
24.1346

■ 13.2059, 13.0351,
22.5892

■ 26.0193, 27.8894,
24.7810

■ 10.9706, 10.3968,
22.1977

■ 30.2640, 32.7558,
25.4966

■ 9.0899, 8.1543,
21.8640

■ 34.9519, 38.1117,
26.2833

■ 7.5455, 6.2883,
21.5852

■ 40.0955, 43.9704,
27.1430

■ 6.3173, 4.7781,
21.3585

■ 45.7067, 50.3446,
28.0776

■ 5.3831, 3.6007,
21.1804

■ 51.7968, 57.2464,
29.0888

■ 4.7176, 2.7304,
21.0475

■ 58.3770, 64.6877,
30.1783

■ 4.2820, 2.1330,
20.9552

■ 65.4579, 72.6799,
31.3478

Harmonies

Analogous

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



18.4000, 19.5690, 23.5599



18.8071, 19.5690, 23.5548



19.1636, 19.5690, 22.9329

Triad

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



18.8071, 19.5690, 23.5548



19.1590, 19.5690, 19.7482



17.8497, 19.5690, 20.7384

Complementary

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



18.8071, 19.5690, 23.5548



20.2236, 21.4856, 21.1706

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.



18.0471, 19.5690, 19.7605



18.8071, 19.5690, 23.5548



18.8009, 19.5690, 19.2031

Square

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



18.8071, 19.5690, 23.5548



19.3688, 19.5690, 20.7211



18.3939, 19.5690, 19.2075



17.8513, 19.5690, 21.9045

Rectangle

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



18.8071, 19.5690, 23.5548



19.3229, 19.5690, 22.2647



18.3939, 19.5690, 19.2075



17.8949, 19.5690, 20.3778

Sweetspot

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



18.8077, 19.5698, 23.5552



36.1186, 37.8694, 42.5984



19.6276, 21.3225, 23.4805



8.1952, 8.5946, 9.6453



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.8077, 19.5698, 23.5552



33.1329, 34.4102, 42.0880



19.1026, 19.5401, 23.5339



4.2801, 4.4442, 5.4455



4.0484, 1.9153, 20.4063



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.4039, 19.7473, 21.2023



34.3593, 34.7778, 37.2474



19.9157, 21.5220, 21.1939



4.4411, 4.4925, 4.8102



8.9204, 4.5879, 0.9047



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.8071, 19.5690, 23.5548 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 18.8071, 19.5690, 23.5548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

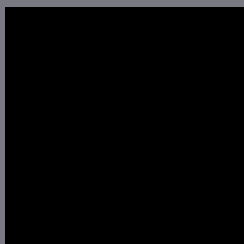
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8071, 19.5690, 23.5548

Background



This preview shows how black text looks on a background with the XYZ color 18.8071, 19.5690, 23.5548.



This preview shows how white text looks on a background with the XYZ color 18.8071, 19.5690,

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

18.8071, 19.5690, 23.5548

Protanopia

19.0904, 19.7150, 23.5681

Deuteranopia

19.9862, 19.6307, 23.8548



Tritanopia

18.9414, 19.6227, 24.2620

Trichromacy

**Original Color**

18.8071, 19.5690, 23.5548

Protanomaly

18.9480, 19.6416, 23.5614

Deuteranomaly

19.4981, 19.5567, 23.8662

Tritanomaly

18.8740, 19.5957, 23.9067

Monochromacy

**Original Color**

18.8071, 19.5690, 23.5548

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8107, 19.7842, 22.2293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8071, 19.5690, 23.5548 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(121, 122, 129)` looks like.

```
.text, #text, p{  
    color:rgb(121, 122, 129)  
}
```

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(121, 122, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 122, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.8071, 19.5690, 23.5548 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(121, 122, 129) }
```


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

```
.border{ border-color:rgb(121, 122, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 122, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 122, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 122, 129);  
box-shadow:4px 4px 4px 4px rgb(121, 122,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8071, 19.5690, 23.5548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 122, 129) }
```

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

```
.background{ background-color: rgb(121,  
122, 129) }
```

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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