

Converting Colors

XYZ(18.8915, 19.8700, 23.0896)

Have a look what the booklet for
XYZ(18.8915, 19.8700, 23.0896)
contains.

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Color

**XYZ(18.8644, 19.7894,
23.2475)**

Conversions

Conversions Part 1

Format	Color
Hex	797B80
RGB	121, 123, 128
RGB Percent	47%, 48%, 50%
CMY	0.5255, 0.5176, 0.4980
CMYK	0.05, 0.04, 0.00, 0.50
HSL	223°, 3%, 49%
HSV	223°, 5%, 50%
XYZ	18.8644, 19.7894, 23.2475
YIQ	122.9720, -2.7970, 1.1310

Conversions

Conversions Part 2

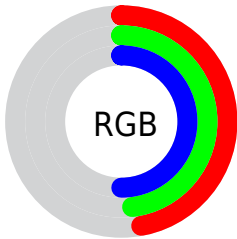
Format	Color
R_{YB}	121, 123, 128
Decimal	7961472
CIE Lab	51.60, 0.28, -2.99
CIE LCh	52, 3.002, 275.440
Yxy	19.7894, 0.3047, 0.3197
Android (android.graphics.Color)	4286151552 (0xFF797B80)
YUV	122.9720, 2.4788, -1.7294
Hunter-Lab	44.4853, -2.1546, 0.1554

Details

The XYZ color **18.8644, 19.7894, 23.2475** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.8141, 20.8911, 21.0775**, and the grayscale version is **18.8107, 19.7904, 21.5517**.

A 20% lighter version of the original color is **40.9040, 42.8804, 49.8369**, and **6.6077, 6.8785, 8.3766** is the 20% darker color. If you saturate the color by 10%, you get **16.1071, 16.7633, 22.8090**, and if you desaturate by 10%, it is **21.9667, 23.1516, 23.7333**.

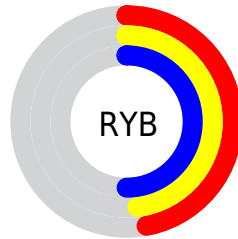
Distribution



Red (47%)

Green (48%)

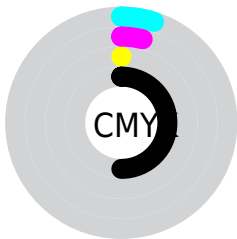
Blue (50%)



Red (47%)

Yellow (48%)

Blue (50%)

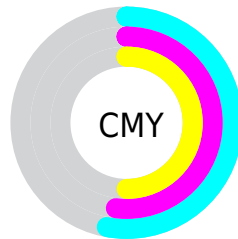


Cyan (5%)

Magenta (4%)

Yellow (0%)

Black (50%)



Cyan (53%)

Magenta (52%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8644, 19.7894, 23.2475 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 18.8644, 19.7894, 23.2475 by changing the saturation by 10% instead.

■ 18.8644, 19.7894,
23.2475

■ 18.8644, 19.7894,
23.2475

238.6517,
250.7727, 282.1567

■ 11.6758, 12.2421,
14.5693

■ 41.0235, 43.0638,
49.7277

■ 6.5939, 6.9087,
8.3745

■ 56.7246, 59.5597,
68.3669

■ 3.2535, 3.4051,
4.2443

■ 75.9940, 79.8072,
91.1635

■ 1.2892, 1.3467,
1.7603

99.1970, 104.1906,
118.5361

■ 0.1751, 0.1769,
0.4016

126.6989,
133.0946, 150.9031

■ 0.0000, 0.0000,
0.0000

158.8650,

166.9033, 188.6832

196.0608,
206.0012, 232.2949

■ 18.8644, 19.7894,
23.2475

■ 18.8644, 19.7894,
23.2475

■ 16.1071, 16.7633,
22.8090

■ 21.9667, 23.1516,
23.7333

■ 13.6810, 14.0602,
22.4152

■ 25.4239, 26.8575,
24.2664

■ 11.5737, 11.6699,
22.0648

■ 29.2476, 30.9175,
24.8485

■ 9.7714, 9.5805,
21.7565

■ 33.4482, 35.3409,
25.4809

■ 8.2592, 7.7795,
21.4886

■ 38.0360, 40.1365,
26.1647

■ 7.0211, 6.2533,
21.2593

■ 43.0206, 45.3131,
26.9012

■ 6.0391, 4.9872,
21.0667

■ 48.4114, 50.8788,
27.6914

■ 5.2931, 3.9650,
20.9087

■ 54.2174, 56.8418,
28.5363

■ 4.7534, 3.1648,
20.7827

■ 60.4473, 63.2098,
29.4371

Harmonies

Analogous

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



18.5686, 19.7894, 23.0973



18.8644, 19.7894, 23.2475



19.1483, 19.7894, 22.9323

Triad

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



18.8644, 19.7894, 23.2475



19.2868, 19.7894, 20.5963



18.2854, 19.7894, 20.8627

Complementary

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



18.8644, 19.7894, 23.2475



19.8141, 20.8911, 21.0775

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.



18.4742, 19.7894, 20.2192



18.8644, 19.7894, 23.2475



19.0519, 19.7894, 20.0683

Square

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



18.8644, 19.7894, 23.2475



19.3939, 19.7894, 21.3898



18.7542, 19.7894, 19.9321



18.2364, 19.7894, 21.7055

Rectangle

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



18.8644, 19.7894, 23.2475



19.2920, 19.7894, 22.5056



18.7542, 19.7894, 19.9321



18.3345, 19.7894, 20.6166

Sweetspot

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



18.8650, 19.7902, 23.2479



35.0142, 36.8017, 41.2143



19.3641, 21.0074, 22.7394



8.2159, 8.6359, 9.6522



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.



18.8650, 19.7902, 23.2479



32.3505, 33.9005, 40.7947



18.8168, 19.4004, 23.1752



4.3228, 4.5296, 5.4597



4.5086, 2.8357, 20.5597



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.3150, 19.6944, 21.5233



33.3792, 33.6902, 36.8509



19.8636, 21.3005, 21.1540



4.4627, 4.5011, 4.9236



9.1527, 4.6808, 2.1279



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.8644, 19.7894, 23.2475 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 18.8644, 19.7894, 23.2475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

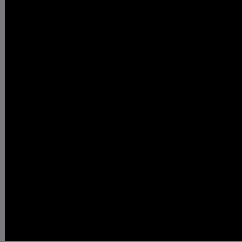
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

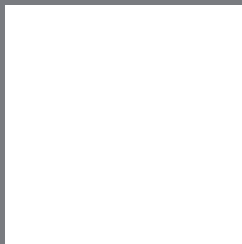
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8644, 19.7894, 23.2475

Background



This preview shows how black text looks on a background with the XYZ color 18.8644, 19.7894, 23.2475.



This preview shows how white text looks on a background with the XYZ color 18.8644, 19.7894,

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

18.8644, 19.7894, 23.2475

Protanopia

19.1680, 19.7627, 23.2264

Deuteranopia

20.0750, 19.6842, 23.5102



Tritanopia

19.1504, 19.7226, 24.6273

Trichromacy

**Original Color**

18.8644, 19.7894, 23.2475

Protanomaly

19.0242, 19.6885, 23.2197

Deuteranomaly

19.5810, 19.6071, 23.5214

Tritanomaly

19.0823, 19.6953, 24.2686

Monochromacy

**Original Color**

18.8644, 19.7894, 23.2475

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 18.8644, 19.7894, 23.2475 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, 123, 128)` looks like.

```
.text, #text, p{  
    color:rgb(121, 123, 128)  
}
```

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, 123, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 123, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.8644, 19.7894, 23.2475 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, 123, 128) }
```


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

```
.border{ border-color:rgb(121, 123, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 123, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 123, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 123, 128);  
box-shadow:4px 4px 4px 4px rgb(121, 123,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8644, 19.7894, 23.2475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 123, 128) }
```

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

```
.background{ background-color: rgb(121,  
123, 128) }
```

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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