

Converting Colors

XYZ(19.2118, 20.3318, 23.5309)

Have a look what the booklet for
XYZ(19.2118, 20.3318, 23.5309)
contains.

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Color

**XYZ(19.1812, 20.3172,
23.6795)**

Conversions

Conversions Part 1

Format	Color
Hex	797D81
RGB	121, 125, 129
RGB Percent	47%, 49%, 51%
CMY	0.5255, 0.5098, 0.4941
CMYK	0.06, 0.03, 0.00, 0.49
HSL	210°, 3%, 49%
HSV	210°, 6%, 51%
XYZ	19.1812, 20.3172, 23.6795
YIQ	124.2600, -3.6680, 0.3960

Conversions

Conversions Part 2

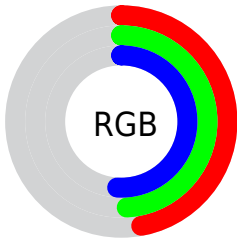
Format	Color
R_{YB}	121, 124, 129
Decimal	7961985
CIE Lab	52.19, -0.66, -2.70
CIE LCh	52, 2.776, 256.259
Yxy	20.3172, 0.3036, 0.3216
Android (android.graphics.Color)	4286152065 (0xFF797D81)
YUV	124.2600, 2.3368, -2.8590
Hunter-Lab	45.0746, -2.9211, 0.4048

Details

The XYZ color **19.1812, 20.3172, 23.6795** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.8380, 20.7145, 21.0421**, and the grayscale version is **19.2387, 20.2406, 22.0420**.

A 20% lighter version of the original color is **41.5975, 44.1024, 50.5762**, and **6.7049, 7.1258, 8.6114** is the 20% darker color. If you saturate the color by 10%, you get **16.7034, 17.8680, 23.3377**, and if you desaturate by 10%, it is **21.9550, 22.9987, 24.0512**.

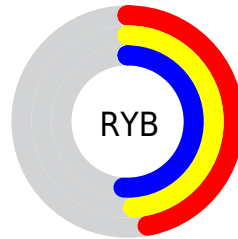
Distribution



Red (47%)

Green (49%)

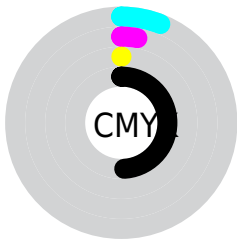
Blue (51%)



Red (47%)

Yellow (49%)

Blue (51%)

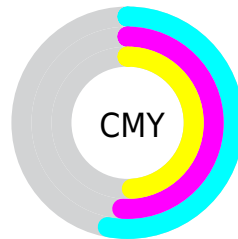


Cyan (6%)

Magenta (3%)

Yellow (0%)

Black (49%)



Cyan (53%)

Magenta (51%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1812, 20.3172, 23.6795 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 19.1812, 20.3172, 23.6795 by changing the saturation by 10% instead.

■ 19.1812, 20.3172,
23.6795

■ 19.1812, 20.3172,
23.6795

240.3662,
253.6272, 284.4303

■ 11.9061, 12.6258,
14.8860

■ 41.5546, 43.9484,
50.4439

■ 6.7515, 7.1714,
8.5937

■ 57.3835, 60.6569,
69.2520

■ 3.3521, 3.5695,
4.3840

■ 76.7944, 81.1400,
92.2354

■ 1.3426, 1.4358,
1.8383

100.1527,
105.7820, 119.8125

■ 0.2148, 0.2429,
0.4530

127.8237,
134.9674, 152.4021

■ 0.0000, 0.0000,
0.0000

160.1727,

169.0804, 190.4225

197.5651,
208.5055, 234.2924

■ 19.1812, 20.3172,
23.6795

■ 19.1812, 20.3172,
23.6795

■ 16.7034, 17.8680,
23.3377

■ 21.9550, 22.9987,
24.0512

■ 14.5091, 15.6416,
23.0236

■ 25.0329, 25.9165,
24.4522

■ 12.5880, 13.6316,
22.7369

■ 28.4250, 29.0778,
24.8836

■ 10.9279, 11.8302,
22.4767

■ 32.1403, 32.4885,
25.3461

■ 9.5160, 10.2293,
22.2421

■ 36.1876, 36.1546,
25.8404

■ 8.3381, 8.8197,
22.0321

■ 40.5752, 40.0815,
26.3671

■ 7.3786, 7.5917,
21.8456

■ 45.3110, 44.2747,
26.9269

■ 6.6195, 6.5342,
21.6815

■ 50.4029, 48.7394,
27.5203

■ 6.0304, 5.6297,
21.5380

■ 55.8583, 53.4808,
28.1479

Harmonies

Analogous

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



18.9350, 20.3172, 23.2737



19.1812, 20.3172, 23.6795



19.4645, 20.3172, 23.6609

Triad

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



19.1812, 20.3172, 23.6795



19.8410, 20.3172, 21.6861



18.9182, 20.3172, 21.0560

Complementary

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



19.1812, 20.3172, 23.6795



19.8380, 20.7145, 21.0421

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.



19.1581, 20.3172, 20.6513



19.1812, 20.3172, 23.6795



19.6917, 20.3172, 21.0089

Square

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



19.1812, 20.3172, 23.6795



19.8473, 20.3172, 22.4963



19.4412, 20.3172, 20.6343



18.7842, 20.3172, 21.7518

Rectangle

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



19.1812, 20.3172, 23.6795



19.6363, 20.3172, 23.4099



19.4412, 20.3172, 20.6343



18.9890, 20.3172, 20.8822

Sweetspot

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



19.1818, 20.3181, 23.6799



36.3480, 38.3283, 42.6748



19.4288, 21.2430, 22.4340



8.2435, 8.6912, 9.6614



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.



19.1818, 20.3181, 23.6799



33.9001, 35.9447, 42.3438



18.7014, 19.3573, 23.5198



4.3808, 4.6455, 5.4791



5.6851, 5.1886, 20.9518



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.5927, 19.8229, 22.1967



34.7465, 34.9327, 39.2867



20.3374, 21.7133, 21.2086



4.4919, 4.5128, 5.0777



9.7465, 4.9183, 5.2549



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.1812, 20.3172, 23.6795 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 19.1812, 20.3172, 23.6795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

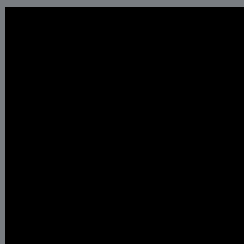
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

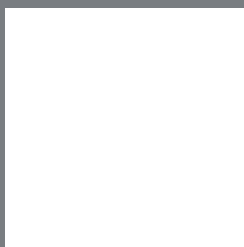
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1812, 20.3172, 23.6795

Background



This preview shows how black text looks on a background with the XYZ color 19.1812, 20.3172, 23.6795.



This preview shows how white text looks on a background with the XYZ color 19.1812, 20.3172,

23.6795.

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

19.1812, 20.3172, 23.6795

Protanopia

19.5614, 20.3338, 23.3159

Deuteranopia

20.6982, 20.3548, 23.9570



Tritanopia

19.5368, 20.2741, 25.4379

Trichromacy



Original Color

19.1812, 20.3172, 23.6795

Protanomaly

19.4161, 20.2589, 23.3091

Deuteranomaly

20.0421, 20.1979, 23.9613

Tritanomaly

19.3985, 20.2188, 24.7100

Monochromacy



Original Color

19.1812, 20.3172, 23.6795

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.1419, 20.1326, 22.6158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1812, 20.3172, 23.6795 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, 125, 129)` looks like.

```
.text, #text, p{  
    color:rgb(121, 125, 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, 125, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 125, 129) }
```

Border

The CSS property to change the border of an element to XYZ 19.1812, 20.3172, 23.6795 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, 125, 129) }
```


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

```
.border{ border-color:rgb(121, 125, 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, 125, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 125, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 125, 129);  
box-shadow:4px 4px 4px 4px rgb(121, 125,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1812, 20.3172, 23.6795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 125, 129) }
```

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

```
.background{ background-color: rgb(121,  
125, 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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