

Converting Colors

XYZ(19.0034, 20.0850, 24.0910)

Have a look what the booklet for
XYZ(19.0034, 20.0850, 24.0910)
contains.

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Color

**XYZ(18.9826, 20.0201,
23.9829)**

Conversions

Conversions Part 1

Format	Color
Hex	787C82
RGB	120, 124, 130
RGB Percent	47%, 49%, 51%
CMY	0.5294, 0.5137, 0.4902
CMYK	0.08, 0.05, 0.00, 0.49
HSL	216°, 4%, 49%
HSV	216°, 8%, 51%
XYZ	18.9826, 20.0201, 23.9829
YIQ	123.4880, -4.3100, 1.0180

Conversions

Conversions Part 2

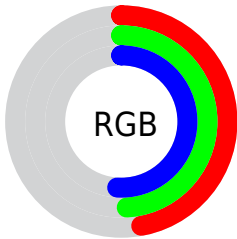
Format	Color
R_{YB}	120, 123, 130
Decimal	7896194
CIE Lab	51.86, -0.24, -3.78
CIE LCh	52, 3.792, 266.441
Yxy	20.0201, 0.3014, 0.3179
Android (android.graphics.Color)	4286086274 (0xFF787C82)
YUV	123.4880, 3.2104, -3.0590
Hunter-Lab	44.7438, -2.5729, -0.4590

Details

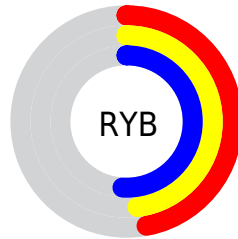
The XYZ color **18.9826, 20.0201, 23.9829** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.0569, 21.0232, 20.7702**, and the grayscale version is **18.9792, 19.9676, 21.7448**.

A 20% lighter version of the original color is **41.0858, 43.2402, 50.9805**, and **6.6738, 7.0040, 8.7847** is the 20% darker color. If you saturate the color by 10%, you get **16.3620, 17.2760, 23.5917**, and if you desaturate by 10%, it is **21.9265, 23.0467, 24.4122**.

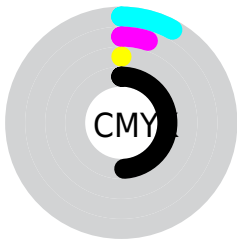
Distribution



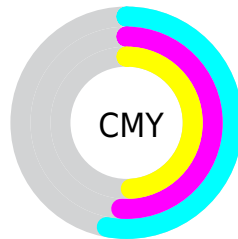
- Red (47%)
- Green (49%)
- Blue (51%)



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



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9826, 20.0201, 23.9829 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 18.9826, 20.0201, 23.9829 by changing the saturation by 10% instead.

■ 18.9826, 20.0201,
23.9829

■ 18.9826, 20.0201,
23.9829

239.2926,
252.0239, 286.0178

■ 11.7616, 12.4097,
15.1089

■ 41.2218, 43.4509,
50.9458

■ 6.6526, 7.0233,
8.7483

■ 56.9707, 60.0400,
69.8717

■ 3.2902, 3.4767,
4.4828

■ 76.2931, 80.3908,
92.9853

■ 1.3090, 1.3854,
1.8938

99.5541, 104.8877,
120.7052

■ 0.1900, 0.2059,
0.4888

127.1192,
133.9151, 153.4498

■ 0.0000, 0.0000,
0.0000

159.3538,

167.8573, 191.6377

196.6231,
207.0988, 235.6876

■ 18.9826, 20.0201,
23.9829

■ 18.9826, 20.0201,
23.9829

■ 16.3620, 17.2760,
23.5917

■ 21.9265, 23.0467,
24.4122

■ 14.0513, 14.8032,
23.2361

■ 25.2028, 26.3613,
24.8793

■ 12.0389, 12.5934,
22.9157

■ 28.8226, 29.9728,
25.3856

■ 10.3115, 10.6371,
22.6291

■ 32.7958, 33.8886,
25.9321

■ 8.8549, 8.9240,
22.3752

■ 37.1320, 38.1159,
26.5195

■ 7.6537, 7.4429,
22.1527

■ 41.8404, 42.6618,
27.1488

■ 6.6904, 6.1818,
21.9600

■ 46.9298, 47.5331,
27.8208

■ 5.9455, 5.1269,
21.7957

■ 52.4087, 52.7362,
28.5363

■ 5.3783, 4.2538,
21.6570

■ 58.2854, 58.2776,
29.2962

Harmonies

Analogous

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



18.6223, 20.0201, 23.6127



18.9826, 20.0201, 23.9829



19.3599, 20.0201, 23.7517

Triad

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



18.9826, 20.0201, 23.9829



19.6988, 20.0201, 20.8684



18.4185, 20.0201, 20.6478

Complementary

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



18.9826, 20.0201, 23.9829



20.0569, 21.0232, 20.7702

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.



18.7009, 20.0201, 19.9554



18.9826, 20.0201, 23.9829



19.4405, 20.0201, 20.0797

Square

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



18.9826, 20.0201, 23.9829



19.7767, 20.0201, 21.9303



19.0745, 20.0201, 19.7509



18.2994, 20.0201, 21.6672

Rectangle

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



18.9826, 20.0201, 23.9829



19.5698, 20.0201, 23.2918



19.0745, 20.0201, 19.7509



18.4973, 20.0201, 20.3704

Sweetspot

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



18.9832, 20.0209, 23.9833



36.2866, 38.2054, 42.6544



19.4838, 21.4607, 22.7980



8.2306, 8.6653, 9.6571



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.



18.9832, 20.0209, 23.9833



32.6969, 34.4961, 42.1276



18.6078, 19.0977, 23.8249



4.2391, 4.4723, 5.4531



5.0487, 3.9159, 20.7397



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.5609, 19.6343, 21.8287



33.9054, 33.7011, 37.6170



20.4517, 22.0019, 20.9383



4.3935, 4.3706, 4.8768



9.4253, 4.7898, 3.5635



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.9826, 20.0201, 23.9829 looks on a white background.

Color Contrast Check

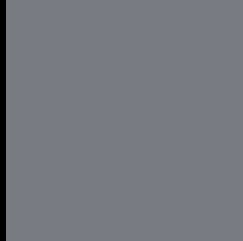
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9826, 20.0201, 23.9829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

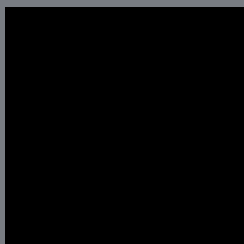
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

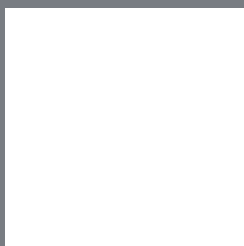
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9826, 20.0201, 23.9829

Background



This preview shows how black text looks on a background with the XYZ color 18.9826, 20.0201, 23.9829.



This preview shows how white text looks on a background with the XYZ color 18.9826, 20.0201,

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

18.9826, 20.0201, 23.9829

Protanopia

19.3576, 20.0360, 23.6160

Deuteranopia

20.3289, 19.9772, 24.2573



Tritanopia

19.2018, 19.9243, 25.0240

Trichromacy



Original Color

18.9826, 20.0201, 23.9829

Protanomaly

19.2138, 19.9619, 23.6092

Deuteranomaly

19.8362, 19.9026, 24.2688

Tritanomaly

19.1330, 19.8968, 24.6618

Monochromacy



Original Color

18.9826, 20.0201, 23.9829

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8749, 19.8099, 22.5675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9826, 20.0201, 23.9829 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(120, 124, 130)` looks like.

```
.text, #text, p{  
    color:rgb(120, 124, 130)  
}
```

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(120, 124, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 124, 130) }
```

Border

The CSS property to change the border of an element to XYZ 18.9826, 20.0201, 23.9829 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(120, 124, 130) }
```


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

```
.border{ border-color:rgb(120, 124, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 124, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 124, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 124, 130);  
box-shadow:4px 4px 4px 4px rgb(120, 124,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9826, 20.0201, 23.9829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 124, 130) }
```

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

```
.background{ background-color: rgb(120,  
124, 130) }
```

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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