

Converting Colors

XYZ(18.0796, 20.3402, 18.4104)

Have a look what the booklet for
XYZ(18.0796, 20.3402, 18.4104)
contains.

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Color

**XYZ(17.9852, 20.2001,
18.2803)**

Conversions

Conversions Part 1

Format	Color
Hex	767F70
RGB	118, 127, 112
RGB Percent	46%, 50%, 44%
CMY	0.5373, 0.5019, 0.5608
CMYK	0.07, 0.00, 0.12, 0.50
HSL	96°, 6%, 47%
HSV	96°, 12%, 50%
XYZ	17.9852, 20.2001, 18.2803
YIQ	122.5990, -0.5490, -6.5730

Conversions

Conversions Part 2

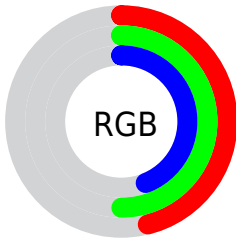
Format	Color
R _Y B	112, 127, 121
Decimal	7765872
CIE Lab	52.06, -6.32, 7.02
CIE LCh	52, 9.444, 132.012
Yxy	20.2001, 0.3185, 0.3577
Android (android.graphics.Color)	4285955952 (0xFF767F70)
YUV	122.5990, -5.2253, -4.0333
Hunter-Lab	44.9445, -7.2236, 7.3461

Details

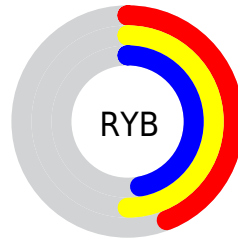
The XYZ color **17.9852, 20.2001, 18.2803** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.5108, 17.1861, 22.4740**, and the grayscale version is **18.7120, 19.6864, 21.4385**.

A 20% lighter version of the original color is **39.5997, 43.8689, 41.5024**, and **6.1756, 7.1210, 5.8995** is the 20% darker color. If you saturate the color by 10%, you get **16.3341, 19.4255, 14.7685**, and if you desaturate by 10%, it is **19.8209, 21.0595, 22.3223**.

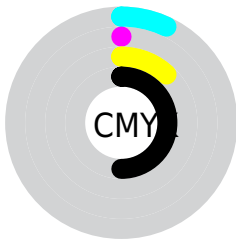
Distribution



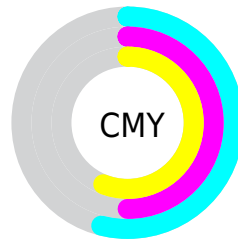
- Red (46%)
- Green (50%)
- Blue (44%)



- Red (44%)
- Yellow (50%)
- Blue (47%)



- Cyan (7%)
- Magenta (0%)
- Yellow (12%)
- Black (50%)



- Cyan (54%)
- Magenta (50%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9852, 20.2001, 18.2803 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 17.9852, 20.2001, 18.2803 by changing the saturation by 10% instead.

■ 17.9852, 20.2001,
18.2803

■ 17.9852, 20.2001,
18.2803

233.8348,
252.9963, 254.7352

■ 11.0390, 12.5406,
10.9799

■ 39.5424, 43.7524,
41.3347

■ 6.1606, 7.1130,
5.9393

■ 54.8841, 60.4140,
57.9259

■ 2.9845, 3.5328,
2.7400

■ 73.7549, 80.8451,
78.4510

■ 1.1456, 1.4158,
0.9635

■ 96.5204, 105.4300,
103.3286

■ 0.0627, 0.2284,
0.0000

123.5457,
134.5532, 132.9773

■ 0.0000, 0.0000,
0.0000

155.1964,

168.5990, 167.8156

191.8376,
207.9520, 208.2621

■ 17.9852, 20.2001,
18.2803

■ 17.9852, 20.2001,
18.2803

■ 16.3341, 19.4255,
14.7685

■ 19.8209, 21.0595,
22.3223

■ 14.8597, 18.7304,
11.7636

■ 21.8452, 22.0035,
26.9139

■ 13.5561, 18.1128,
9.2426

■ 24.0643, 23.0356,
32.0751

■ 12.4164, 17.5698,
7.1800

■ 26.4835, 24.1579,
37.8246

■ 11.4331, 17.0980,
5.5483

■ 29.1078, 25.3729,
44.1799

■ 10.5982, 16.6940,
4.3167

■ 31.9422, 26.6825,
51.1583

■ 9.9025, 16.3538,
3.4505

■ 34.9913, 28.0890,
58.7760

■ 9.3360, 16.0731,
2.9090

■ 38.2598, 29.5942,
67.0487

■ 8.9446, 15.8779,
2.5933

■ 41.7521, 31.2002,
75.9918

Harmonies

Analogous

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



18.8163, 20.2001, 17.1988



17.9852, 20.2001, 18.2803



17.4895, 20.2001, 20.3951

Triad

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



17.9852, 20.2001, 18.2803



18.6327, 20.2001, 27.4414



21.0708, 20.2001, 20.9078

Complementary

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



17.9852, 20.2001, 18.2803



17.5108, 17.1861, 22.4740

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.



21.0176, 20.2001, 23.6754



17.9852, 20.2001, 18.2803



19.5881, 20.2001, 27.6078

Square

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



17.9852, 20.2001, 18.2803



17.8547, 20.2001, 25.7433



20.4674, 20.2001, 26.1805



20.6104, 20.2001, 18.6285

Rectangle

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



17.9852, 20.2001, 18.2803



17.4056, 20.2001, 22.1814



20.4674, 20.2001, 26.1805



21.1128, 20.2001, 21.8086

Sweetspot

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



17.9858, 20.2010, 18.2807



34.7132, 37.3465, 38.2345



18.5151, 19.3574, 18.0900



8.0750, 8.7194, 8.8357



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.



17.9858, 20.2010, 18.2807



31.4306, 35.8096, 31.0616



17.2809, 19.8279, 18.6875



4.4262, 4.8961, 4.6319



9.0190, 16.0118, 2.6152



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.5108, 17.1861, 22.4740



30.4156, 29.3674, 40.0217



18.2810, 17.5944, 22.0034



4.3369, 4.3293, 5.4203



6.8844, 3.1028, 20.4860



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.9852, 20.2001, 18.2803 looks on a white background.

Color Contrast Check

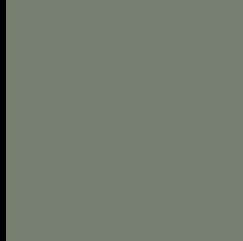
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9852, 20.2001, 18.2803 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

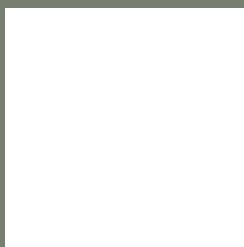
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.9852, 20.2001, 18.2803

Background



This preview shows how black text looks on a background with the XYZ color 17.9852, 20.2001, 18.2803.



This preview shows how white text looks on a background with the XYZ color 17.9852, 20.2001,

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

17.9852, 20.2001, 18.2803

Protanopia

19.0754, 20.2082, 17.6470

Deuteranopia

20.5123, 20.2006, 18.4408



Tritanopia

19.3959, 20.2015, 25.4313

Trichromacy



Original Color

17.9852, 20.2001, 18.2803

Protanomaly

18.6603, 20.1749, 17.9496

Deuteranomaly

19.5793, 20.2637, 18.5021

Tritanomaly

18.8452, 20.1667, 22.6380

Monochromacy



Original Color

17.9852, 20.2001, 18.2803

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.4226, 19.8122, 20.3059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9852, 20.2001, 18.2803 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(118, 127, 112) looks like.

```
.text, #text, p{  
    color:rgb(118, 127, 112)  
}
```

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(118, 127, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 127, 112) }
```

Border

The CSS property to change the border of an element to XYZ 17.9852, 20.2001, 18.2803 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(118, 127, 112) }
```


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

```
.border{ border-color:rgb(118, 127, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 127, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 127, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 127, 112);  
box-shadow:4px 4px 4px 4px rgb(118, 127,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9852, 20.2001, 18.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 127, 112) }
```

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

```
.background{ background-color: rgb(118,  
127, 112) }
```

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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