

Converting Colors

XYZ(19.0215, 22.2148, 16.1999)

Have a look what the booklet for
XYZ(19.0215, 22.2148, 16.1999)
contains.

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Color

**XYZ(18.9993, 22.1670,
16.1093)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8667
RGB	122, 134, 103
RGB Percent	48%, 53%, 40%
CMY	0.5216, 0.4745, 0.5961
CMYK	0.09, 0.00, 0.23, 0.47
HSL	83°, 13%, 46%
HSV	83°, 23%, 53%
XYZ	18.9993, 22.1670, 16.1093
YIQ	126.8780, 2.7990, -12.1850

Conversions

Conversions Part 2

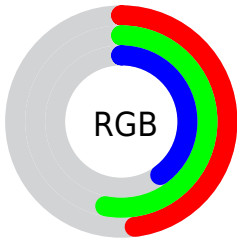
Format	Color
R_{YB}	103, 134, 115
Decimal	8029799
CIE _{Lab}	54.20, -10.25, 15.26
CIE _{LCh}	54, 18.385, 123.893
Yxy	22.1670, 0.3317, 0.3870
Android (android.graphics.Color)	4286219879 (0xFF7A8667)
YUV	126.8780, -11.7719, -4.2780
Hunter-Lab	47.0818, -10.3617, 12.6709

Details

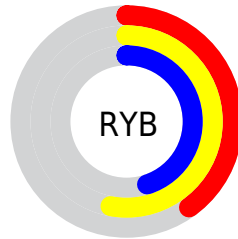
The XYZ color **18.9993, 22.1670, 16.1093** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.2245, 15.0672, 24.6085**, and the grayscale version is **20.1698, 21.2202, 23.1088**.

A 20% lighter version of the original color is **41.2823, 46.9877, 37.4656**, and **6.6318, 8.0426, 4.9442** is the 20% darker color. If you saturate the color by 10%, you get **17.6650, 21.5514, 12.8129**, and if you desaturate by 10%, it is **20.4818, 22.8479, 19.9764**.

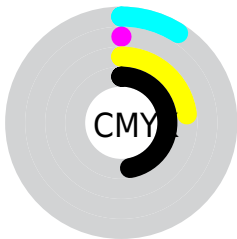
Distribution



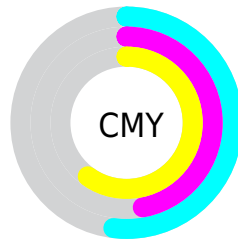
- Red (48%)
- Green (53%)
- Blue (40%)



- Red (40%)
- Yellow (53%)
- Blue (45%)



- Cyan (9%)
- Magenta (0%)
- Yellow (23%)
- Black (47%)



- Cyan (52%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9993, 22.1670, 16.1093 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 18.9993, 22.1670, 16.1093 by changing the saturation by 10% instead.

■ 18.9993, 22.1670,
16.1093

■ 18.9993, 22.1670,
16.1093

239.3831,
263.4171, 241.8535

■ 11.7738, 13.9797,
9.4463

■ 41.2498, 47.0219,
37.5573

■ 6.6609, 8.1065,
4.9327

■ 57.0055, 64.4582,
53.1794

■ 3.2954, 4.1632,
2.1498

■ 76.3353, 85.7462,
72.6249

■ 1.3118, 1.7653,
0.6452

■ 99.6045, 111.2705,
96.3125

■ 0.1921, 0.4654,
0.0000

127.1785,
141.4153, 124.6606

■ 0.0000, 0.0000,
0.0000

159.4227,

176.5651, 158.0878

196.7025,
217.1043, 197.0125

■ 18.9993, 22.1670,
16.1093

■ 18.9993, 22.1670,
16.1093

■ 17.6650, 21.5514,
12.8129

■ 20.4818, 22.8479,
19.9764

■ 16.4714, 20.9958,
10.0586

■ 22.1162, 23.5934,
24.4378

■ 15.4130, 20.4987,
7.8177

■ 23.9082, 24.4066,
29.5179

■ 14.4830, 20.0572,
6.0583

■ 25.8624, 25.2894,
35.2390

■ 13.6741, 19.6685,
4.7447

■ 27.9836, 26.2439,
41.6224

■ 12.9780, 19.3290,
3.8366

■ 30.2761, 27.2717,
48.6884

■ 12.3846, 19.0347,
3.2855

■ 32.7441, 28.3746,
56.4565

■ 12.0158, 18.8504,
3.0052

■ 35.3918, 29.5544,
64.9453

■ 38.2229, 30.8126,
74.1728

Harmonies

Analogous

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



20.8094, 22.1670, 14.7420



18.9993, 22.1670, 16.1093



17.8053, 22.1670, 19.6126

Triad

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



18.9993, 22.1670, 16.1093



19.4239, 22.1670, 35.4206



25.1374, 22.1670, 23.3971

Complementary

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



18.9993, 22.1670, 16.1093



16.2245, 15.0672, 24.6085

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.



24.7091, 22.1670, 29.3066



18.9993, 22.1670, 16.1093



21.3309, 22.1670, 36.8559

Square

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



18.9993, 22.1670, 16.1093



18.0394, 22.1670, 30.8034



23.2839, 22.1670, 34.4650



24.4203, 22.1670, 18.5078

Rectangle

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



18.9993, 22.1670, 16.1093



17.4766, 22.1670, 22.9848



23.2839, 22.1670, 34.4650



25.1229, 22.1670, 25.3252

Sweetspot

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



18.9999, 22.1680, 16.1098



37.7746, 41.0252, 39.7672



18.3979, 18.2832, 15.3917



8.4807, 9.2291, 8.8782



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.9999, 22.1680, 16.1098



32.1537, 38.4469, 25.0775



16.9914, 21.1326, 16.0158



4.8697, 5.3354, 5.0025



11.2722, 17.6710, 2.8167



0.0472, 0.0654, 0.0101

Inverse Universe

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



16.2245, 15.0672, 24.6085



26.3358, 23.5588, 42.8977



18.4190, 16.1985, 24.7112



4.5924, 4.6260, 5.8516



5.3654, 2.3001, 21.2979



0.0263, 0.0120, 0.0741

Previews

White Background



This preview shows how the XYZ color 18.9993, 22.1670, 16.1093 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 18.9993, 22.1670, 16.1093 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

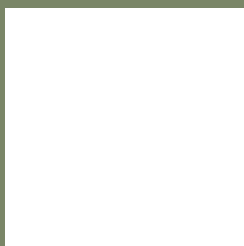
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9993, 22.1670, 16.1093

Background



This preview shows how black text looks on a background with the XYZ color 18.9993, 22.1670, 16.1093.



This preview shows how white text looks on a background with the XYZ color 18.9993, 22.1670,

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

18.9993, 22.1670, 16.1093

Protanopia

20.6805, 22.0434, 15.4767

Deuteranopia

22.3351, 21.9193, 16.4183



Tritanopia

21.2629, 22.0766, 27.5666

Trichromacy



Original Color

18.9993, 22.1670, 16.1093

Protanomaly

20.0303, 22.0974, 15.7799

Deuteranomaly

21.0331, 22.0133, 16.2371

Tritanomaly

20.3396, 22.0989, 22.9322

Monochromacy



Original Color

18.9993, 22.1670, 16.1093

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.7101, 21.6332, 20.2763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9993, 22.1670, 16.1093 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(122, 134, 103)` looks like.

```
.text, #text, p{  
    color:rgb(122, 134, 103)  
}
```

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(122, 134, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 134, 103) }
```

Border

The CSS property to change the border of an element to XYZ 18.9993, 22.1670, 16.1093 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(122, 134, 103) }
```


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

```
.border{ border-color:rgb(122, 134, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 134, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 134, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 134, 103);  
box-shadow:4px 4px 4px 4px rgb(122, 134,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9993, 22.1670, 16.1093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 134, 103) }
```

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

```
.background{ background-color: rgb(122,  
134, 103) }
```

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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