

Converting Colors

XYZ(19.9859, 22.2004, 16.6716)

Have a look what the booklet for
XYZ(19.9859, 22.2004, 16.6716)
contains.

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Color

**XYZ(20.0070, 22.2683,
16.6083)**

Conversions

Conversions Part 1

Format	Color
Hex	828469
RGB	130, 132, 105
RGB Percent	51%, 52%, 41%
CMY	0.4902, 0.4823, 0.5882
CMYK	0.02, 0.00, 0.20, 0.48
HSL	64°, 11%, 46%
HSV	64°, 20%, 52%
XYZ	20.0070, 22.2683, 16.6083
YIQ	128.3240, 7.4750, -8.8210

Conversions

Conversions Part 2

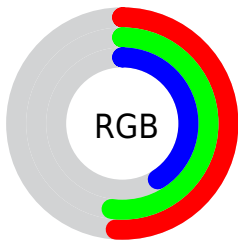
Format	Color
RYB	105, 132, 107
Decimal	8553577
CIELab	54.31, -5.63, 14.36
CIELCh	54, 15.429, 111.412
Yxy	22.2683, 0.3398, 0.3782
Android (android.graphics.Color)	4286743657 (0xFF828469)
YUV	128.3240, -11.4987, 1.4699
Hunter-Lab	47.1893, -6.9021, 12.1654

Details

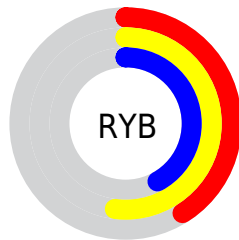
The XYZ color **20.0070, 22.2683, 16.6083** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.2807, 14.8955, 23.9008**, and the grayscale version is **20.6678, 21.7441, 23.6793**.

A 20% lighter version of the original color is **42.8782, 47.1655, 38.2964**, and **7.1652, 8.1975, 5.2076** is the 20% darker color. If you saturate the color by 10%, you get **19.2313, 21.9415, 13.3011**, and if you desaturate by 10%, it is **20.8907, 22.6400, 20.4713**.

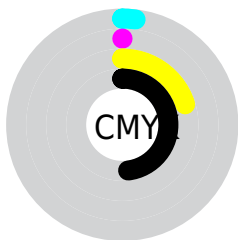
Distribution



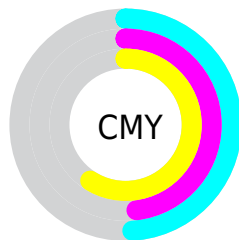
- Red (51%)
- Green (52%)
- Blue (41%)



- Red (41%)
- Yellow (52%)
- Blue (42%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (48%)



- Cyan (49%)
- Magenta (48%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0070, 22.2683, 16.6083 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 20.0070, 22.2683, 16.6083 by changing the saturation by 10% instead.

■ 20.0070, 22.2683,
16.6083

■ 20.0070, 22.2683,
16.6083

244.7858,
263.9442, 244.8720

■ 12.5084, 14.0542,
9.7966

■ 42.9328, 47.1890,
38.4324

■ 7.1656, 8.1584,
5.1605

■ 59.0907, 64.6644,
54.2820

■ 3.6131, 4.1964,
2.2813

■ 78.8657, 85.9957,
73.9812

■ 1.4857, 1.7840,
0.7207

■ 102.6233,
111.5673, 97.9487

■ 0.3161, 0.4772,
0.0000

130.7288,
141.7635, 126.6030

■ 0.0000, 0.0000,
0.0000

163.5474,

176.9688, 160.3626

201.4447,
217.5676, 199.6461

■ 20.0070, 22.2683,
16.6083

■ 20.0070, 22.2683,
16.6083

■ 19.2313, 21.9415,
13.3011

■ 20.8907, 22.6400,
20.4713

■ 18.5569, 21.6546,
10.5228

■ 21.8851, 23.0553,
24.9124

■ 17.9793, 21.4066,
8.2463

■ 22.9950, 23.5171,
29.9548

■ 17.4926, 21.1952,
6.4416

■ 24.2246, 24.0268,
35.6195

■ 17.0906, 21.0178,
5.0755

■ 25.5777, 24.5862,
41.9270

■ 16.7662, 20.8716,
4.1105

■ 27.0580, 25.1965,
48.8965

■ 16.5111, 20.7532,
3.5029

■ 28.6689, 25.8593,
56.5464

■ 16.3077, 20.6565,
3.1276

■ 30.4138, 26.5759,
64.8946

■ 32.2961, 27.3476,
73.9583

Harmonies

Analogous

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



21.6518, 22.2683, 16.1959



20.0070, 22.2683, 16.6083



18.7378, 22.2683, 18.9183

Triad

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



20.0070, 22.2683, 16.6083



19.2124, 22.2683, 32.2268



24.5254, 22.2683, 25.6553

Complementary

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



20.0070, 22.2683, 16.6083



15.2807, 14.8955, 23.9008

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.



23.7940, 22.2683, 30.4913



20.0070, 22.2683, 16.6083



20.6863, 22.2683, 34.6010

Square

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



20.0070, 22.2683, 16.6083



18.2962, 22.2683, 27.7857



22.3676, 22.2683, 33.9271



24.3198, 22.2683, 21.0211

Rectangle

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



20.0070, 22.2683, 16.6083



18.2468, 22.2683, 21.4134



22.3676, 22.2683, 33.9271



24.3796, 22.2683, 27.3188

Sweetspot

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



20.0076, 22.2693, 16.6088



37.5292, 40.1843, 39.3114



17.3031, 16.3997, 15.6184



8.7161, 9.3468, 9.0569



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.



20.0076, 22.2693, 16.6088



34.5207, 38.9212, 26.1627



18.0978, 21.2847, 16.5194



5.0066, 5.4059, 5.0089



15.7910, 20.0005, 3.0282



0.0572, 0.0706, 0.0106

Inverse Universe

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



15.2807, 14.8955, 23.9008



24.4811, 23.2586, 41.6522



17.0045, 15.7841, 23.9815



4.4641, 4.5599, 5.8456



4.1534, 1.6753, 21.2412



0.0163, 0.0068, 0.0737

Previews

White Background



This preview shows how the XYZ color 20.0070, 22.2683, 16.6083 looks on a white background.

Color Contrast Check

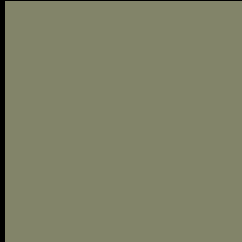
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0070, 22.2683, 16.6083 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

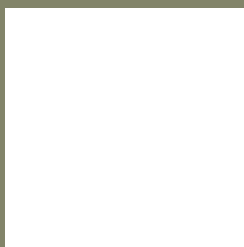
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0070, 22.2683, 16.6083

Background



This preview shows how black text looks on a background with the XYZ color 20.0070, 22.2683, 16.6083.



This preview shows how white text looks on a background with the XYZ color 20.0070, 22.2683,

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

20.0070, 22.2683, 16.6083

Protanopia

20.9626, 22.3680, 16.3093

Deuteranopia

22.5128, 22.1919, 16.7326



Tritanopia

22.1381, 22.3417, 27.1903

Trichromacy



Original Color

20.0070, 22.2683, 16.6083

Protanomaly

20.6067, 22.3830, 16.3310

Deuteranomaly

21.6484, 22.3186, 16.8026

Tritanomaly

21.2890, 22.1934, 22.9004

Monochromacy



Original Color

20.0070, 22.2683, 16.6083

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.2937, 21.7237, 20.8928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0070, 22.2683, 16.6083 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(130, 132, 105)` looks like.

```
.text, #text, p{  
    color:rgb(130, 132, 105)  
}
```

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(130, 132, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 132, 105) }
```

Border

The CSS property to change the border of an element to XYZ 20.0070, 22.2683, 16.6083 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(130, 132, 105) }
```


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

```
.border{ border-color:rgb(130, 132, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 132, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 132, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 132, 105);  
box-shadow:4px 4px 4px 4px rgb(130, 132,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0070, 22.2683, 16.6083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 132, 105) }
```

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

```
.background{ background-color: rgb(130,  
132, 105) }
```

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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