

Converting Colors

XYZ(20.4796, 22.1985, 22.2538)

Have a look what the booklet for
XYZ(20.4796, 22.1985, 22.2538)
contains.

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Color

**XYZ(20.5068, 22.1999,
22.2730)**

Conversions

Conversions Part 1

Format	Color
Hex	7F837C
RGB	127, 131, 124
RGB Percent	50%, 51%, 49%
CMY	0.5020, 0.4863, 0.5137
CMYK	0.03, 0.00, 0.05, 0.49
HSL	94°, 3%, 50%
HSV	94°, 5%, 51%
XYZ	20.5068, 22.1999, 22.2730
YIQ	129.0060, -0.1370, -3.0250

Conversions

Conversions Part 2

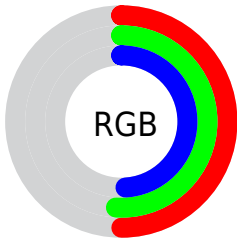
Format	Color
R_{YB}	124, 131, 128
Decimal	8356732
CIE _{Lab}	54.24, -2.87, 3.26
CIE _{LCh}	54, 4.339, 131.335
Yxy	22.1999, 0.3156, 0.3416
Android (android.graphics.Color)	4286546812 (0xFF7F837C)
YUV	129.0060, -2.4680, -1.7593
Hunter-Lab	47.1168, -4.7652, 4.9542

Details

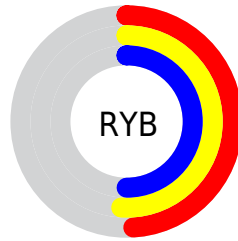
The XYZ color **20.5068, 22.1999, 22.2730** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.2074, 20.6439, 24.3936**, and the grayscale version is **20.8773, 21.9645, 23.9194**.

A 20% lighter version of the original color is **43.7994, 47.1189, 47.8607**, and **7.4292, 8.1623, 7.8405** is the 20% darker color. If you saturate the color by 10%, you get **18.6588, 21.3373, 18.1454**, and if you desaturate by 10%, it is **22.5491, 23.1512, 26.9852**.

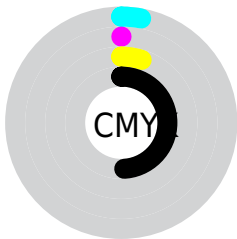
Distribution



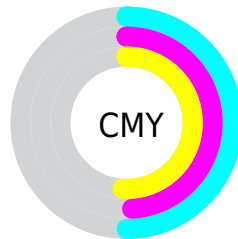
- Red (50%)
- Green (51%)
- Blue (49%)



- Red (49%)
- Yellow (51%)
- Blue (50%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (49%)



- Cyan (50%)
- Magenta (49%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5068, 22.1999, 22.2730 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 20.5068, 22.1999, 22.2730 by changing the saturation by 10% instead.

■ 20.5068, 22.1999,
22.2730

■ 20.5068, 22.1999,
22.2730

247.4273,
263.5884, 276.9685

■ 12.8744, 14.0039,
13.8574

■ 43.7627, 47.0762,
48.1048

■ 7.4185, 8.1233,
7.8839

■ 60.1170, 64.5252,
66.3580

■ 3.7738, 4.1740,
3.9341

■ 80.1092, 85.8273,
88.7275

■ 1.5750, 1.7714,
1.5892

104.1047,
111.3669, 115.6319

■ 0.3760, 0.4692,
0.2831

132.4689,
141.5285, 147.4896

■ 0.0000, 0.0000,
0.0000

165.5672,

176.6963, 184.7193

203.7649,
217.2548, 227.7394

■ 20.5068, 22.1999,
22.2730

■ 20.5068, 22.1999,
22.2730

■ 18.6588, 21.3373,
18.1454

■ 22.5491, 23.1512,
26.9852

■ 16.9971, 20.5579,
14.5782

■ 24.7895, 24.1908,
32.3022

■ 15.5158, 19.8598,
11.5475

■ 27.2344, 25.3222,
38.2447

■ 14.2082, 19.2401,
9.0275

■ 29.8889, 26.5476,
44.8323

■ 13.0669, 18.6957,
6.9899

■ 32.7582, 27.8693,
52.0835

■ 12.0839, 18.2230,
5.4036

■ 35.8472, 29.2893,
60.0163

■ 11.2506, 17.8185,
4.2342

■ 39.1608, 30.8099,
68.6478

■ 10.5571, 17.4778,
3.4421

■ 42.7034, 32.4330,
77.9947

■ 9.9898, 17.1953,
2.9676

■ 46.4795, 34.1605,
88.0728

Harmonies

Analogous

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



20.9225, 22.1999, 21.7128



20.5068, 22.1999, 22.2730



20.2524, 22.1999, 23.3499

Triad

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



20.5068, 22.1999, 22.2730



20.8113, 22.1999, 26.7180



22.0024, 22.1999, 23.6648

Complementary

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



20.5068, 22.1999, 22.2730



20.2074, 20.6439, 24.3936

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.



21.9716, 22.1999, 25.0130



20.5068, 22.1999, 22.2730



21.2792, 22.1999, 26.8100

Square

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



20.5068, 22.1999, 22.2730



20.4264, 22.1999, 25.9289



21.7052, 22.1999, 26.1758



21.7889, 22.1999, 22.4962

Rectangle

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



20.5068, 22.1999, 22.2730



20.2063, 22.1999, 24.2325



21.7052, 22.1999, 26.1758



22.0204, 22.1999, 24.1114

Sweetspot

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



20.5074, 22.2009, 22.2735



37.8898, 40.2988, 42.5509



20.7139, 21.7111, 22.1681



8.8333, 9.3879, 9.9337



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.



20.5074, 22.2009, 22.2735



36.4473, 39.6266, 39.2608



20.0969, 21.9858, 22.4088



4.9174, 5.3538, 5.2827



9.6040, 16.8110, 2.7387



0.0414, 0.0624, 0.0099

Inverse Universe

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



20.2074, 20.6439, 24.3936



35.8335, 36.4410, 43.5983



20.6338, 20.8673, 24.2487



4.8311, 4.9056, 5.8930



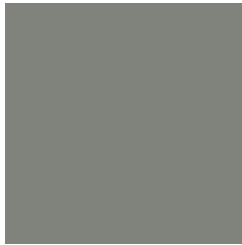
6.8829, 3.0824, 21.3689



0.0322, 0.0150, 0.0744

Previews

White Background



This preview shows how the XYZ color 20.5068, 22.1999, 22.2730 looks on a white background.

Color Contrast Check

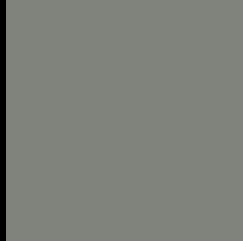
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5068, 22.1999, 22.2730 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

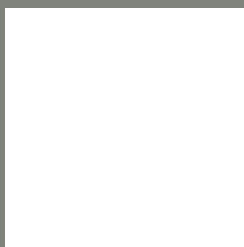
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5068, 22.1999, 22.2730

Background



This preview shows how black text looks on a background with the XYZ color 20.5068, 22.1999, 22.2730.



This preview shows how white text looks on a background with the XYZ color 20.5068, 22.1999,

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

20.5068, 22.1999, 22.2730

Protanopia

21.0983, 22.1171, 21.8959

Deuteranopia

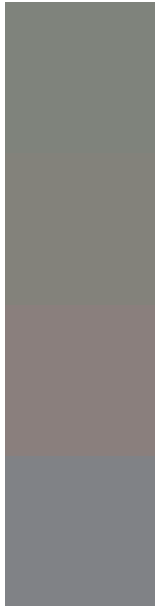
22.5369, 22.0772, 22.4755



Tritanopia

21.5637, 22.2317, 27.5807

Trichromacy



Original Color

20.5068, 22.1999, 22.2730

Protanomaly

20.9179, 22.2206, 21.9254

Deuteranomaly

21.7723, 22.0627, 22.5130

Tritanomaly

21.1878, 22.2757, 25.7372

Monochromacy



Original Color

20.5068, 22.1999, 22.2730

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7155, 22.0868, 23.2500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5068, 22.1999, 22.2730 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(127, 131, 124)` looks like.

```
.text, #text, p{  
    color:rgb(127, 131, 124)  
}
```

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(127, 131, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 131, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.5068, 22.1999, 22.2730 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(127, 131, 124) }
```


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

```
.border{ border-color:rgb(127, 131, 124) }
```

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

Here you see how a box with a 4 pixel rgb(127, 131, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 131, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 131, 124);  
box-shadow:4px 4px 4px 4px rgb(127, 131,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5068, 22.1999, 22.2730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 131, 124) }
```

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

```
.background{ background-color: rgb(127,  
131, 124) }
```

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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