

Converting Colors

XYZ(20.7599, 21.4050, 21.5413)

Have a look what the booklet for
XYZ(20.7599, 21.4050, 21.5413)
contains.

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Color

**XYZ(20.6466, 21.3134,
21.4381)**

Conversions

Conversions Part 1

Format	Color
Hex	857E7A
RGB	133, 126, 122
RGB Percent	52%, 49%, 48%
CMY	0.4784, 0.5059, 0.5216
CMYK	0.00, 0.05, 0.08, 0.48
HSL	22°, 4%, 50%
HSV	22°, 8%, 52%
XYZ	20.6466, 21.3134, 21.4381
YIQ	127.6370, 5.4560, 0.2400

Conversions

Conversions Part 2

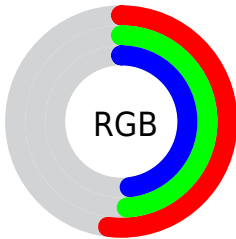
Format	Color
R_{YB}	133, 128, 122
Decimal	8748666
CIE Lab	53.29, 1.90, 3.12
CIE LCh	53, 3.648, 58.637
Yxy	21.3134, 0.3257, 0.3362
Android (android.graphics.Color)	4286938746 (0xFF857E7A)
YUV	127.6370, -2.7790, 4.7034
Hunter-Lab	46.1664, -0.9623, 4.7843

Details

The XYZ color **20.6466, 21.3134, 21.4381** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.1100, 21.5313, 25.2866**, and the grayscale version is **20.4007, 21.4631, 23.3733**.

A 20% lighter version of the original color is **44.0098, 45.7353, 46.5526**, and **7.4238, 7.6278, 7.3844** is the 20% darker color. If you saturate the color by 10%, you get **18.8419, 18.9337, 17.0452**, and if you desaturate by 10%, it is **22.6568, 23.9232, 26.4565**.

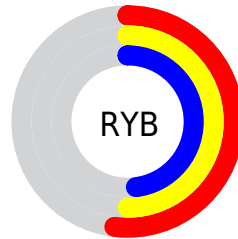
Distribution



Red (52%)

Green (49%)

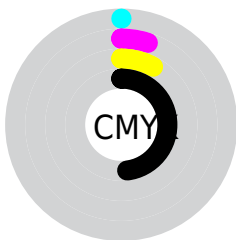
Blue (48%)



Red (52%)

Yellow (50%)

Blue (48%)

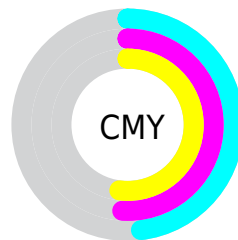


Cyan (0%)

Magenta (5%)

Yellow (8%)

Black (48%)



Cyan (48%)

Magenta (51%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6466, 21.3134, 21.4381 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 20.6466, 21.3134, 21.4381 by changing the saturation by 10% instead.

■ 20.6466, 21.3134,
21.4381

■ 20.6466, 21.3134,
21.4381

248.1618,
258.9394, 272.4548

■ 12.9769, 13.3533,
13.2503

■ 43.9944, 45.6085,
46.7057

■ 7.4895, 7.6723,
7.4684

■ 60.4031, 62.7123,
64.6226

■ 3.8191, 3.8860,
3.6738

■ 80.4556, 83.6328,
86.6196

■ 1.6003, 1.6100,
1.4482

104.5173,
108.7544, 113.1152

■ 0.3926, 0.3643,
0.1789

132.9533,
138.4615, 144.5280

■ 0.0000, 0.0000,
0.0000

166.1292,

173.1384, 181.2765

204.4102,
213.1695, 223.7792

■ 20.6466, 21.3134,
21.4381

■ 20.6466, 21.3134,
21.4381

■ 18.8419, 18.9337,
17.0452

■ 22.6568, 23.9232,
26.4565

■ 17.2342, 16.7748,
13.2518

■ 24.8772, 26.7663,
32.1224

■ 15.8168, 14.8312,
10.0318

■ 27.3146, 29.8494,
38.4583

■ 14.5820, 13.0958,
7.3570

■ 29.9749, 33.1782,
45.4854

■ 13.5216, 11.5613,
5.1965

■ 32.8638, 36.7582,
53.2238

■ 12.6268, 10.2197,
3.5165

■ 35.9867, 40.5945,
61.6928

■ 11.8875, 9.0627,
2.2787

■ 39.3488, 44.6922,
70.9110

■ 11.2926, 8.0809,
1.4393

■ 42.9554, 49.0563,
80.8964

■ 10.8200, 7.2605,
0.8972

■ 46.8113, 53.6917,
91.6661

Harmonies

Analogous

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



20.9163, 21.3134, 22.2025



20.6466, 21.3134, 21.4381



20.2754, 21.3134, 21.1453

Triad

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



20.6466, 21.3134, 21.4381



19.5246, 21.3134, 23.1561



20.6156, 21.3134, 25.1232

Complementary

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



20.6466, 21.3134, 21.4381



20.1100, 21.5313, 25.2866

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.



20.2401, 21.3134, 25.3978



20.6466, 21.3134, 21.4381



19.6131, 21.3134, 24.2406

Square

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



20.6466, 21.3134, 21.4381



19.6304, 21.3134, 22.1176



19.8738, 21.3134, 25.0699



20.8983, 21.3134, 24.3309

Rectangle

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



20.6466, 21.3134, 21.4381



20.0214, 21.3134, 21.2497



19.8738, 21.3134, 25.0699



20.4959, 21.3134, 25.2802

Sweetspot

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



20.6472, 21.3143, 21.4386



39.1710, 41.0287, 43.8513



20.6052, 20.4949, 23.6914



8.8366, 9.2586, 9.9086



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.



20.6472, 21.3143, 21.4386



36.3135, 37.3031, 36.7654



21.3494, 22.7188, 21.6726



4.8010, 4.9457, 4.9309



10.2429, 6.8083, 0.7743



0.0420, 0.0366, 0.0049

Inverse Universe

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



20.1100, 21.5313, 25.2866



35.1389, 37.7773, 45.1781



19.4239, 20.1591, 25.0580



4.6629, 5.0014, 5.9204



7.1054, 7.7586, 22.2598



0.0316, 0.0408, 0.0794

Previews

White Background



This preview shows how the XYZ color 20.6466, 21.3134, 21.4381 looks on a white background.

Color Contrast Check

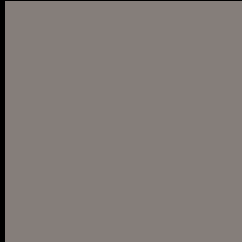
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6466, 21.3134, 21.4381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

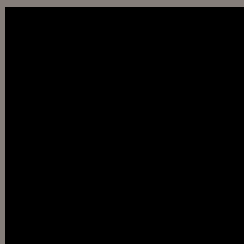
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

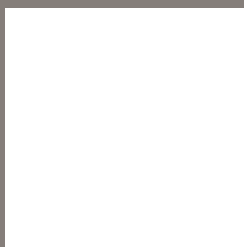
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6466, 21.3134, 21.4381

Background



This preview shows how black text looks on a background with the XYZ color 20.6466, 21.3134, 21.4381.



This preview shows how white text looks on a background with the XYZ color 20.6466, 21.3134,

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

20.6466, 21.3134, 21.4381

Protanopia

20.4623, 21.4092, 21.4663

Deuteranopia

21.6426, 21.2587, 21.7015



Tritanopia

21.5024, 21.2874, 25.5298

Trichromacy



Original Color

20.6466, 21.3134, 21.4381

Protanomaly

20.6179, 21.4894, 21.4735

Deuteranomaly

21.2640, 21.2486, 21.7196

Tritanomaly

21.1944, 21.3473, 24.1225

Monochromacy



Original Color

20.6466, 21.3134, 21.4381

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.5612, 21.4309, 22.7916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6466, 21.3134, 21.4381 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(133, 126, 122)` looks like.

```
.text, #text, p{  
    color:rgb(133, 126, 122)  
}
```

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(133, 126, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 126, 122) }
```

Border

The CSS property to change the border of an element to XYZ 20.6466, 21.3134, 21.4381 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(133, 126, 122) }
```


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

```
.border{ border-color:rgb(133, 126, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 126, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 126, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 126, 122);  
box-shadow:4px 4px 4px 4px rgb(133, 126,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6466, 21.3134, 21.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 126, 122) }
```

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

```
.background{ background-color: rgb(133,  
126, 122) }
```

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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