

Converting Colors

XYZ(20.1513, 20.3272, 20.9509)

Have a look what the booklet for
XYZ(20.1513, 20.3272, 20.9509)
contains.

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Color

**XYZ(20.0836, 20.2861,
20.9462)**

Conversions

Conversions Part 1

Format	Color
Hex	857A79
RGB	133, 122, 121
RGB Percent	52%, 48%, 47%
CMY	0.4784, 0.5216, 0.5255
CMYK	0.00, 0.08, 0.09, 0.48
HSL	5°, 5%, 50%
HSV	5°, 9%, 52%
XYZ	20.0836, 20.2861, 20.9462
YIQ	125.1750, 6.8770, 2.0210

Conversions

Conversions Part 2

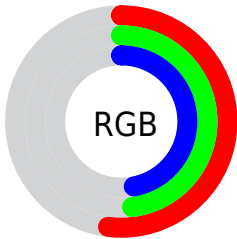
Format	Color
R_{YB}	133, 122, 121
Decimal	8747641
CIE Lab	52.16, 4.02, 2.06
CIE LCh	52, 4.517, 27.147
Yxy	20.2861, 0.3275, 0.3308
Android (android.graphics.Color)	4286937721 (0xFF857A79)
YUV	125.1750, -2.0583, 6.8625
Hunter-Lab	45.0401, 0.7739, 3.9548

Details

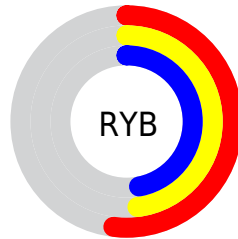
The XYZ color **20.0836, 20.2861, 20.9462** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.3700, 22.2605, 25.4137**, and the grayscale version is **19.5575, 20.5760, 22.4073**.

A 20% lighter version of the original color is **42.9286, 43.7283, 45.7130**, and **7.1524, 7.0851, 7.2939** is the 20% darker color. If you saturate the color by 10%, you get **17.9198, 17.1748, 16.4746**, and if you desaturate by 10%, it is **22.5488, 23.8196, 26.0736**.

Distribution



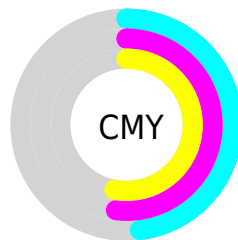
- Red (52%)
- Green (48%)
- Blue (47%)



- Red (52%)
- Yellow (48%)
- Blue (47%)



- Cyan (0%)
- Magenta (8%)
- Yellow (9%)
- Black (48%)



- Cyan (48%)
- Magenta (52%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0836, 20.2861, 20.9462 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 20.0836, 20.2861, 20.9462 by changing the saturation by 10% instead.

■ 20.0836, 20.2861,
20.9462

■ 20.0836, 20.2861,
20.9462

245.1923,
253.4598, 269.7641

■ 12.5644, 12.6032,
12.8938

■ 43.0602, 43.8963,
45.8776

■ 7.2042, 7.1559,
7.2256

■ 59.2483, 60.5924,
63.5937

■ 3.6376, 3.5598,
3.5230

■ 79.0568, 81.0617,
85.3681

■ 1.4992, 1.4305,
1.3675

102.8510,
105.6886, 111.6194

■ 0.3253, 0.2390,
0.1162

130.9963,
134.8574, 142.7662

■ 0.0000, 0.0000,
0.0000

163.8581,

168.9526, 179.2268

201.8016,
208.3586, 221.4199

■ 20.0836, 20.2861,
20.9462

■ 20.0836, 20.2861,
20.9462

■ 17.9198, 17.1748,
16.4746

■ 22.5488, 23.8196,
26.0736

■ 16.0441, 14.4674,
12.6310

■ 25.3245, 27.7876,
31.8804

■ 14.4450, 12.1482,
9.3879

■ 28.4216, 32.2049,
38.3906

■ 13.1092, 10.1993,
6.7147

■ 31.8500, 37.0852,
45.6267

■ 12.0226, 8.6015,
4.5785

■ 35.6191, 42.4413,
53.6102

■ 11.1696, 7.3339,
2.9431

■ 39.7379, 48.2857,
62.3615

■ 10.5331, 6.3734,
1.7674

■ 44.2153, 54.6303,
71.9005

■ 10.0933, 5.6937,
1.0042

■ 49.0595, 61.4866,
82.2462

■ 9.8153, 5.2598,
0.5353

■ 54.2787, 68.8659,
93.4171

Harmonies

Analogous

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



20.1833, 20.2861, 22.2151



20.0836, 20.2861, 20.9462



19.7678, 20.2861, 20.0167

Triad

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



20.0836, 20.2861, 20.9462



18.5438, 20.2861, 20.7350



19.2371, 20.2861, 24.7310

Complementary

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



20.0836, 20.2861, 20.9462



20.3700, 22.2605, 25.4137

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.



18.8029, 20.2861, 24.2977



20.0836, 20.2861, 20.9462



18.4066, 20.2861, 21.9616

Square

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



20.0836, 20.2861, 20.9462



18.8784, 20.2861, 19.8983



18.5007, 20.2861, 23.2708



19.6900, 20.2861, 24.4330

Rectangle

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



20.0836, 20.2861, 20.9462



19.4798, 20.2861, 19.6967



18.5007, 20.2861, 23.2708



19.0842, 20.2861, 24.6656

Sweetspot

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



20.0842, 20.2870, 20.9466



38.5282, 40.0039, 42.8334



20.6754, 20.3275, 24.6640



8.6062, 8.9066, 9.4962



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.



20.0842, 20.2870, 20.9466



35.0571, 35.0238, 35.6270



20.8435, 21.8056, 21.1997



4.7016, 4.7467, 4.8978



9.3317, 4.9861, 0.4706



0.0342, 0.0211, 0.0023

Inverse Universe

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



20.3700, 22.2605, 25.4137



35.6859, 39.3661, 45.4560



19.5799, 20.6804, 25.1503



4.7693, 5.2141, 5.9558



10.6514, 14.8506, 23.4418



0.0393, 0.0563, 0.0820

Previews

White Background



This preview shows how the XYZ color 20.0836, 20.2861, 20.9462 looks on a white background.

Color Contrast Check

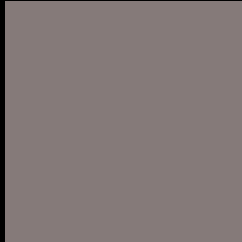
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0836, 20.2861, 20.9462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

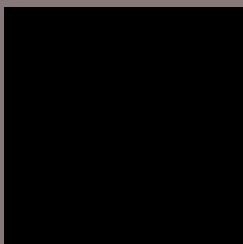
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0836, 20.2861, 20.9462

Background



This preview shows how black text looks on a background with the XYZ color 20.0836, 20.2861, 20.9462.



This preview shows how white text looks on a background with the XYZ color 20.0836, 20.2861,

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

20.0836, 20.2861, 20.9462

Protanopia

19.4729, 20.3325, 21.3106

Deuteranopia

20.6489, 20.2167, 20.9031



Tritanopia

20.6982, 20.3548, 23.9570

Trichromacy



Original Color

20.0836, 20.2861, 20.9462

Protanomaly

19.6491, 20.2382, 21.2831

Deuteranomaly

20.4419, 20.2895, 20.9280

Tritanomaly

20.4997, 20.2754, 22.9118

Monochromacy



Original Color

20.0836, 20.2861, 20.9462

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.7478, 20.4597, 21.9771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0836, 20.2861, 20.9462 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, 122, 121)` looks like.

```
.text, #text, p{  
    color:rgb(133, 122, 121)  
}
```

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, 122, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 122, 121) }
```

Border

The CSS property to change the border of an element to XYZ 20.0836, 20.2861, 20.9462 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, 122, 121) }
```


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

```
.border{ border-color:rgb(133, 122, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 122, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 122, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 122, 121);  
box-shadow:4px 4px 4px 4px rgb(133, 122,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0836, 20.2861, 20.9462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 122, 121) }
```

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

```
.background{ background-color: rgb(133,  
122, 121) }
```

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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