

Converting Colors

XYZ(20.2738, 20.6541, 21.0448)

Have a look what the booklet for
XYZ(20.2738, 20.6541, 21.0448)
contains.

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Color

**XYZ(20.2070, 20.5329,
20.9874)**

Conversions

Conversions Part 1

Format	Color
Hex	857B79
RGB	133, 123, 121
RGB Percent	52%, 48%, 47%
CMY	0.4784, 0.5176, 0.5255
CMYK	0.00, 0.08, 0.09, 0.48
HSL	10°, 5%, 50%
HSV	10°, 9%, 52%
XYZ	20.2070, 20.5329, 20.9874
YIQ	125.7620, 6.6020, 1.4980

Conversions

Conversions Part 2

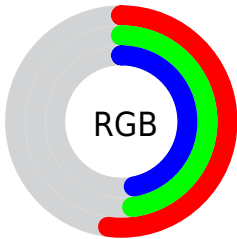
Format	Color
R_{YB}	133, 123, 121
Decimal	8747897
CIE Lab	52.43, 3.44, 2.46
CIE LCh	52, 4.230, 35.557
Yxy	20.5329, 0.3274, 0.3326
Android (android.graphics.Color)	4286937977 (0xFF857B79)
YUV	125.7620, -2.3477, 6.3477
Hunter-Lab	45.3132, 0.3022, 4.2584

Details

The XYZ color **20.2070, 20.5329, 20.9874** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.2351, 21.9907, 25.3687**, and the grayscale version is **19.7570, 20.7859, 22.6358**.

A 20% lighter version of the original color is **43.1225, 44.1162, 45.7776**, and **7.2187, 7.2176, 7.3160** is the 20% darker color. If you saturate the color by 10%, you get **18.1494, 17.6341, 16.5512**, and if you desaturate by 10%, it is **22.5338, 23.7897, 26.0687**.

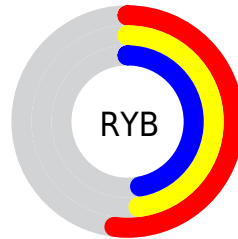
Distribution



Red (52%)

Green (48%)

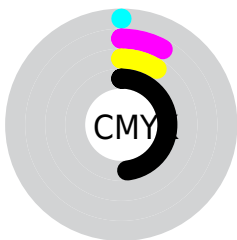
Blue (47%)



Red (52%)

Yellow (48%)

Blue (47%)

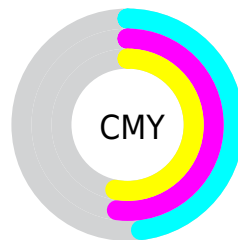


Cyan (0%)

Magenta (8%)

Yellow (9%)

Black (48%)



Cyan (48%)

Magenta (52%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2070, 20.5329, 20.9874 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 20.2070, 20.5329, 20.9874 by changing the saturation by 10% instead.

■ 20.2070, 20.5329,
20.9874

■ 20.2070, 20.5329,
20.9874

245.8458,
254.7856, 269.9904

■ 12.6547, 12.7830,
12.9236

■ 43.2653, 44.3088,
45.9471

■ 7.2666, 7.2793,
7.2459

■ 59.5020, 61.1037,
63.6801

■ 3.6772, 3.6374,
3.5356

■ 79.3642, 81.6823,
85.4732

■ 1.5212, 1.4729,
1.3742

103.2173,
106.4290, 111.7451

■ 0.3402, 0.2695,
0.1215

131.4267,
135.7284, 142.9142

■ 0.0000, 0.0000,
0.0000

164.3577,

169.9646, 179.3991

202.3756,
209.5222, 221.6183

■ 20.2070, 20.5329,
20.9874

■ 20.2070, 20.5329,
20.9874

■ 18.1494, 17.6341,
16.5512

■ 22.5338, 23.7897,
26.0687

■ 16.3497, 15.0785,
12.7330

■ 25.1374, 27.4134,
31.8181

■ 14.7979, 12.8542,
9.5056

■ 28.0271, 31.4159,
38.2592

■ 13.4832, 10.9474,
6.8394

■ 31.2113, 35.8078,
45.4139

■ 12.3936, 9.3435,
4.7023

■ 34.6980, 40.5992,
53.3032

■ 11.5161, 8.0269,
3.0586

■ 38.4951, 45.8001,
61.9473

■ 10.8365, 6.9802,
1.8686

■ 42.6100, 51.4197,
71.3655

■ 10.3386, 6.1845,
1.0860

■ 47.0498, 57.4672,
81.5764

■ 9.9920, 5.6132,
0.5942

■ 51.8216, 63.9516,
92.5982

Harmonies

Analogous

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



20.3636, 20.5329, 22.1248



20.2070, 20.5329, 20.9874



19.8654, 20.5329, 20.2383

Triad

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



20.2070, 20.5329, 20.9874



18.7614, 20.5329, 21.3765



19.5973, 20.5329, 24.8367

Complementary

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



20.2070, 20.5329, 20.9874



20.2351, 21.9907, 25.3687

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.



19.1705, 20.5329, 24.6183



20.2070, 20.5329, 20.9874



18.6921, 20.5329, 22.5905

Square

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



20.2070, 20.5329, 20.9874



19.0317, 20.5329, 20.4570



18.8408, 20.5329, 23.7846



20.0083, 20.5329, 24.3708

Rectangle

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



20.2070, 20.5329, 20.9874



19.5810, 20.5329, 20.0440



18.8408, 20.5329, 23.7846



19.4509, 20.5329, 24.8411

Sweetspot

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



20.2076, 20.5338, 20.9878



38.6088, 40.1649, 42.8603



20.6072, 20.3003, 24.3052



8.6285, 8.9512, 9.5036



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.



20.2076, 20.5338, 20.9878



35.3253, 35.5603, 35.7164



20.9746, 22.0678, 21.2435



4.7308, 4.8051, 4.9075



9.4948, 5.3122, 0.5249



0.0365, 0.0257, 0.0030

Inverse Universe

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



20.2351, 21.9907, 25.3687



35.3857, 38.7657, 45.3559



19.4527, 20.4259, 25.1079



4.7373, 5.1502, 5.9452



9.4323, 12.4123, 23.0354



0.0370, 0.0517, 0.0813

Previews

White Background



This preview shows how the XYZ color 20.2070, 20.5329, 20.9874 looks on a white background.

Color Contrast Check

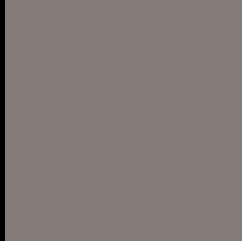
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2070, 20.5329, 20.9874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

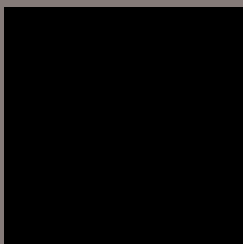
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2070, 20.5329, 20.9874

Background



This preview shows how black text looks on a background with the XYZ color 20.2070, 20.5329, 20.9874.



This preview shows how white text looks on a background with the XYZ color 20.2070, 20.5329,

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

20.2070, 20.5329, 20.9874

Protanopia

19.7486, 20.6616, 21.3596

Deuteranopia

20.9360, 20.5442, 20.9511



Tritanopia

20.7656, 20.3818, 24.3123

Trichromacy



Original Color

20.2070, 20.5329, 20.9874

Protanomaly

19.9264, 20.5663, 21.3318

Deuteranomaly

20.7273, 20.6179, 20.9764

Tritanomaly

20.6218, 20.5197, 22.9525

Monochromacy



Original Color

20.2070, 20.5329, 20.9874

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0250, 20.7896, 22.0261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2070, 20.5329, 20.9874 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, 123, 121)` looks like.

```
.text, #text, p{  
    color:rgb(133, 123, 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, 123, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 123, 121) }
```

Border

The CSS property to change the border of an element to XYZ 20.2070, 20.5329, 20.9874 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, 123, 121) }
```


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

```
.border{ border-color:rgb(133, 123, 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, 123, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 123, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 123, 121);  
box-shadow:4px 4px 4px 4px rgb(133, 123,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2070, 20.5329, 20.9874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 123, 121) }
```

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

```
.background{ background-color: rgb(133,  
123, 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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