

Converting Colors

XYZ(20.5937, 19.9847, 21.2049)

Have a look what the booklet for
XYZ(20.5937, 19.9847, 21.2049)
contains.

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Color

**XYZ(20.5909, 20.0021,
21.1879)**

Conversions

Conversions Part 1

Format	Color
Hex	8A777A
RGB	138, 119, 122
RGB Percent	54%, 47%, 48%
CMY	0.4588, 0.5333, 0.5216
CMYK	0.00, 0.14, 0.12, 0.46
HSL	351°, 8%, 50%
HSV	351°, 14%, 54%
XYZ	20.5909, 20.0021, 21.1879
YIQ	125.0230, 10.3610, 4.9610

Conversions

Conversions Part 2

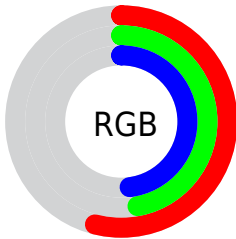
Format	Color
R_{YB}	138, 119, 122
Decimal	9074554
CIE Lab	51.84, 7.88, 1.07
CIE LCh	52, 7.956, 7.713
Yxy	20.0021, 0.3333, 0.3238
Android (android.graphics.Color)	4287264634 (0xFF8A777A)
YUV	125.0230, -1.4903, 11.3808
Hunter-Lab	44.7237, 3.9153, 3.2179

Details

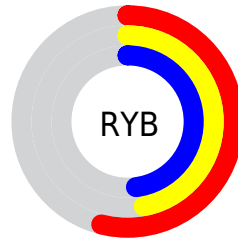
The XYZ color **20.5909, 20.0021, 21.1879** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.0702, 23.8486, 26.4155**, and the grayscale version is **19.5036, 20.5193, 22.3456**.

A 20% lighter version of the original color is **43.9411, 43.3883, 46.1032**, and **7.4803, 7.0622, 7.2722** is the 20% darker color. If you saturate the color by 10%, you get **18.3887, 16.6820, 17.1108**, and if you desaturate by 10%, it is **23.1188, 23.8354, 25.7991**.

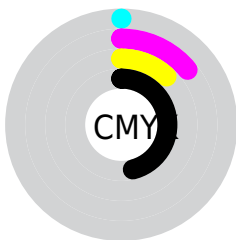
Distribution



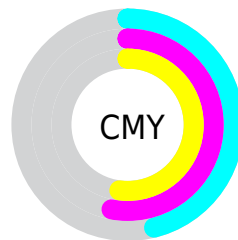
- Red (54%)
- Green (47%)
- Blue (48%)



- Red (54%)
- Yellow (47%)
- Blue (48%)



- Cyan (0%)
- Magenta (14%)
- Yellow (12%)
- Black (46%)



- Cyan (46%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5909, 20.0021, 21.1879 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 20.5909, 20.0021, 21.1879 by changing the saturation by 10% instead.

■ 20.5909, 20.0021,
21.1879

■ 20.5909, 20.0021,
21.1879

247.8694,
251.9265, 271.0892

■ 12.9360, 12.3966,
13.0688

■ 43.9021, 43.4207,
46.2849

■ 7.4612, 7.0144,
7.3447

■ 60.2892, 60.0026,
64.0999

■ 3.8011, 3.4711,
3.5969

■ 80.3177, 80.3453,
85.9840

■ 1.5902, 1.3823,
1.4069

104.3530,
104.8334, 112.3556

■ 0.3860, 0.2037,
0.1471

132.7604,
133.8511, 143.6335

■ 0.0000, 0.0000,
0.0000

165.9054,

167.7830, 180.2360

204.1533,
207.0133, 222.5817

■ 20.5909, 20.0021,
21.1879

■ 20.5909, 20.0021,
21.1879

■ 18.3887, 16.6820,
17.1108

■ 23.1188, 23.8354,
25.7991

■ 16.4974, 13.8508,
13.5472

■ 25.9833, 28.1996,
30.9614

■ 14.9033, 11.4862,
10.4769

■ 29.1968, 33.1150,
36.6927

■ 13.5912, 9.5630,
7.8780

■ 32.7705, 38.5997,
43.0097

■ 12.5443, 8.0537,
5.7271

■ 36.7152, 44.6713,
49.9285

■ 11.7442, 6.9277,
3.9984

■ 41.0411, 51.3465,
57.4643

■ 11.1700, 6.1503,
2.6636

■ 45.7582, 58.6413,
65.6322

■ 10.7967, 5.6789,
1.6907

■ 50.8760, 66.5711,
74.4462

■ 10.6239, 5.4604,
1.2417

■ 56.4036, 75.1509,
83.9205

Harmonies

Analogous

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



20.4836, 20.0021, 23.5081



20.5909, 20.0021, 21.1879



20.2655, 20.0021, 19.1720

Triad

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



20.5909, 20.0021, 21.1879



18.0779, 20.0021, 18.4491



18.4290, 20.0021, 26.1551

Complementary

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



20.5909, 20.0021, 21.1879



21.0702, 23.8486, 26.4155

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.



17.8101, 20.0021, 24.6120



20.5909, 20.0021, 21.1879



17.6114, 20.0021, 20.1366

Square

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



20.5909, 20.0021, 21.1879



18.8039, 20.0021, 17.6653



17.5148, 20.0021, 22.3808



19.2204, 20.0021, 26.4862

Rectangle

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



20.5909, 20.0021, 21.1879



19.8524, 20.0021, 18.2339



17.5148, 20.0021, 22.3808



18.1945, 20.0021, 25.7559

Sweetspot

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



20.5915, 20.0030, 21.1883



40.5993, 41.7835, 45.2004



21.1498, 20.1667, 26.8227



9.0349, 9.2635, 10.0089



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.5915, 20.0030, 21.1883



34.8343, 33.0507, 34.6557



21.1875, 21.4877, 20.4848



5.0630, 5.0606, 5.4201



9.7445, 5.0079, 1.1587



0.0682, 0.0347, 0.0262

Inverse Universe

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



20.5915, 20.0030, 21.1883



34.8343, 33.0507, 34.6557



20.4021, 22.1698, 27.2488



5.0630, 5.0606, 5.4201



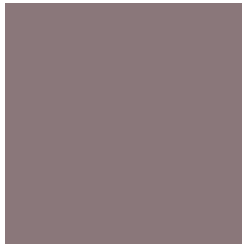
9.7445, 5.0079, 1.1587



0.0682, 0.0347, 0.0262

Previews

White Background



This preview shows how the XYZ color 20.5909, 20.0021, 21.1879 looks on a white background.

Color Contrast Check

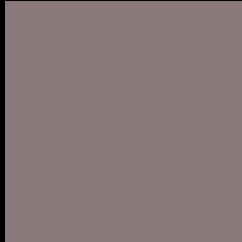
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5909, 20.0021, 21.1879 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 20.5909, 20.0021, 21.1879

Background



This preview shows how black text looks on a background with the XYZ color 20.5909, 20.0021, 21.1879.



This preview shows how white text looks on a background with the XYZ color 20.5909, 20.0021,

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

20.5909, 20.0021, 21.1879

Protanopia

19.3252, 20.0568, 21.9216

Deuteranopia

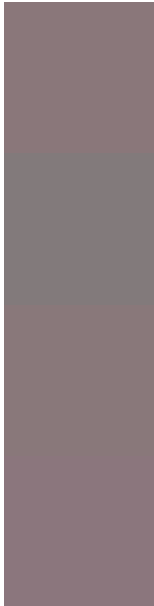
20.3827, 20.0723, 21.2124



Tritanopia

20.9567, 19.9781, 22.8303

Trichromacy



Original Color

20.5909, 20.0021, 21.1879

Protanomaly

19.7406, 20.0950, 21.5772

Deuteranomaly

20.5459, 20.1564, 21.2201

Tritanomaly

20.8276, 19.9265, 22.1505

Monochromacy



Original Color

20.5909, 20.0021, 21.1879

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.9270, 20.3670, 21.9497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5909, 20.0021, 21.1879 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(138, 119, 122)` looks like.

```
.text, #text, p{  
    color:rgb(138, 119, 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(138, 119, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 119, 122) }
```

Border

The CSS property to change the border of an element to XYZ 20.5909, 20.0021, 21.1879 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(138, 119, 122) }
```


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

```
.border{ border-color:rgb(138, 119, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 119, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 119, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 119, 122);  
box-shadow:4px 4px 4px 4px rgb(138, 119,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5909, 20.0021, 21.1879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 119, 122) }
```

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

```
.background{ background-color: rgb(138,  
119, 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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