

Converting Colors

XYZ(20.8891, 19.9253, 23.4554)

Have a look what the booklet for
XYZ(20.8891, 19.9253, 23.4554)
contains.

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Color

**XYZ(20.9221, 19.9451,
23.5160)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7681
RGB	138, 118, 129
RGB Percent	54%, 46%, 51%
CMY	0.4588, 0.5372, 0.4941
CMYK	0.00, 0.14, 0.07, 0.46
HSL	327°, 8%, 50%
HSV	327°, 14%, 54%
XYZ	20.9221, 19.9451, 23.5160
YIQ	125.2340, 8.3890, 7.6610

Conversions

Conversions Part 2

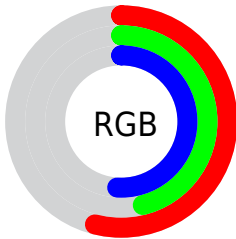
Format	Color
R_{YB}	138, 118, 129
Decimal	9074305
CIE _{Lab}	51.78, 9.76, -3.14
CIE _{LCh}	52, 10.256, 342.162
Yxy	19.9451, 0.3250, 0.3098
Android (android.graphics.Color)	4287264385 (0xFF8A7681)
YUV	125.2340, 1.8566, 11.1958
Hunter-Lab	44.6599, 5.4680, 0.0424

Details

The XYZ color **20.9221, 19.9451, 23.5160** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.3912, 23.5613, 23.5528**, and the grayscale version is **19.5642, 20.5831, 22.4150**.

A 20% lighter version of the original color is **44.5565, 43.3333, 50.2718**, and **7.6626, 7.0342, 8.5433** is the 20% darker color. If you saturate the color by 10%, you get **19.0142, 16.7697, 20.9049**, and if you desaturate by 10%, it is **23.0941, 23.6078, 26.3394**.

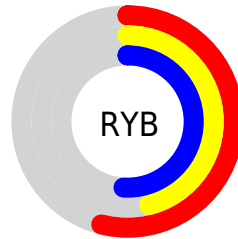
Distribution



Red (54%)

Green (46%)

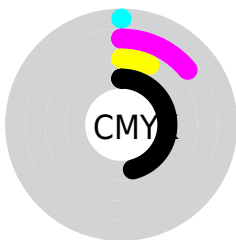
Blue (51%)



Red (54%)

Yellow (46%)

Blue (51%)

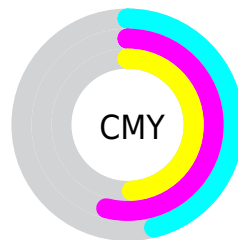


Cyan (0%)

Magenta (14%)

Yellow (7%)

Black (46%)



Cyan (46%)

Magenta (54%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9221, 19.9451, 23.5160 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 20.9221, 19.9451, 23.5160 by changing the saturation by 10% instead.

■ 20.9221, 19.9451,
23.5160

■ 20.9221, 19.9451,
23.5160

249.6038,
251.6178, 283.5716

■ 13.1792, 12.3551,
14.7661

■ 44.4501, 43.3251,
50.1731

■ 7.6299, 6.9860,
8.5106

■ 60.9659, 59.8840,
68.9174

■ 3.9089, 3.4534,
4.3309

■ 81.1368, 80.2013,
91.8303

■ 1.6507, 1.3728,
1.8086

105.3280,
104.6613, 119.3302

■ 0.4251, 0.1965,
0.4336

133.9049,
133.6486, 151.8358

■ 0.0000, 0.0000,
0.0000

167.2330,

167.5476, 189.7655

205.6775,
206.7425, 233.5379

■ 20.9221, 19.9451,
23.5160

■ 20.9221, 19.9451,
23.5160

■ 19.0142, 16.7697,
20.9049

■ 23.0941, 23.6078,
26.3394

■ 17.3578, 14.0583,
18.4990

■ 25.5384, 27.7747,
29.3794

■ 15.9421, 11.7896,
16.2928

■ 28.2653, 32.4651,
32.6415

■ 14.7547, 9.9393,
14.2797

■ 31.2837, 37.6965,
36.1309

■ 13.7819, 8.4811,
12.4530

■ 34.6023, 43.4855,
39.8524

■ 13.0087, 7.3855,
10.8050

■ 38.2295, 49.8480,
43.8106

■ 12.4177, 6.6189,
9.3275

■ 42.1731, 56.7995,
48.0102

■ 11.9867, 6.1375,
8.0104

■ 46.4409, 64.3546,
52.4555

■ 11.7822, 5.9237,
7.3406

■ 51.0402, 72.5275,
57.1509

Harmonies

Analogous

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



20.3292, 19.9451, 26.2372



20.9221, 19.9451, 23.5160



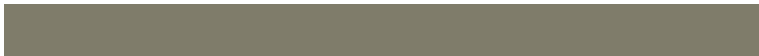
20.9768, 19.9451, 20.5343

Triad

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



20.9221, 19.9451, 23.5160



18.5397, 19.9451, 16.5928



17.5154, 19.9451, 25.7856

Complementary

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



20.9221, 19.9451, 23.5160



20.3912, 23.5613, 23.5528

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.



17.0716, 19.9451, 22.9439



20.9221, 19.9451, 23.5160



17.6484, 19.9451, 17.7480

Square

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



20.9221, 19.9451, 23.5160



19.5754, 19.9451, 16.7156



17.1194, 19.9451, 20.0118



18.3521, 19.9451, 27.6276

Rectangle

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



20.9221, 19.9451, 23.5160



20.6982, 19.9451, 18.8129



17.1194, 19.9451, 20.0118



17.3167, 19.9451, 24.9051

Sweetspot

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



20.9227, 19.9460, 23.5164



40.8721, 41.8927, 46.6371



19.8190, 19.3048, 26.7266



9.1058, 9.2919, 10.3823



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.



20.9227, 19.9460, 23.5164



35.8666, 33.4636, 40.0914



20.2901, 19.6930, 20.1855



5.1404, 5.0916, 5.8278



10.8099, 5.4341, 6.7693



0.0792, 0.0391, 0.0839

Inverse Universe

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



20.9227, 19.9460, 23.5164



35.8666, 33.4636, 40.0914



21.0756, 23.8351, 27.1570



5.1404, 5.0916, 5.8278



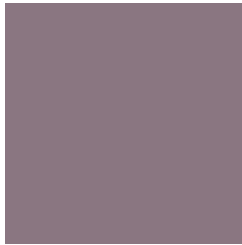
10.8099, 5.4341, 6.7693



0.0792, 0.0391, 0.0839

Previews

White Background



This preview shows how the XYZ color 20.9221, 19.9451, 23.5160 looks on a white background.

Color Contrast Check

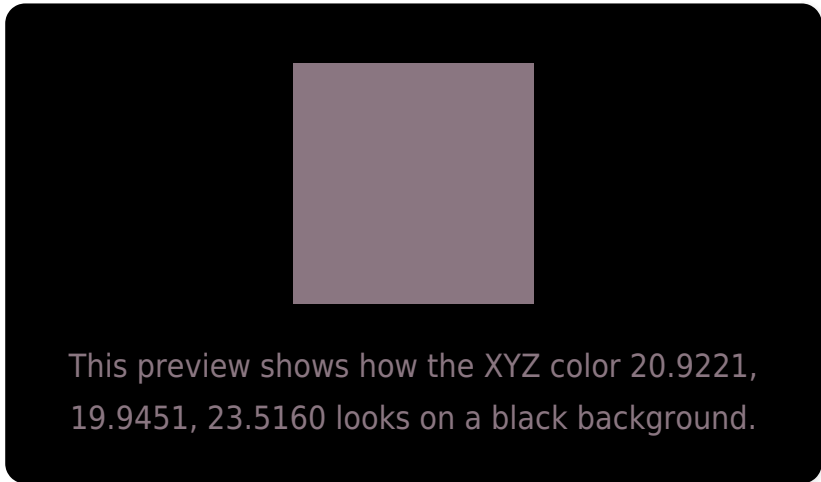
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 20.9221, 19.9451, 23.5160

Background



This preview shows how black text looks on a background with the XYZ color 20.9221, 19.9451, 23.5160.

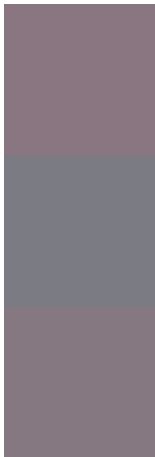


This preview shows how white text looks on a background with the XYZ color 20.9221, 19.9451,

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

20.9221, 19.9451, 23.5160

Protanopia

19.4162, 20.0428, 24.6751

Deuteranopia

20.3518, 20.0045, 23.5575



Tritanopia

20.7904, 19.8924, 22.8225

Trichromacy



Original Color

20.9221, 19.9451, 23.5160

Protanomaly

19.8362, 19.9026, 24.2688

Deuteranomaly

20.5509, 19.9295, 23.5325

Tritanomaly

20.8559, 19.9187, 23.1675

Monochromacy



Original Color

20.9221, 19.9451, 23.5160

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.9314, 20.1713, 22.5816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9221, 19.9451, 23.5160 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, 118, 129)` looks like.

```
.text, #text, p{  
    color:rgb(138, 118, 129)  
}
```

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, 118, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 118, 129) }
```

Border

The CSS property to change the border of an element to XYZ 20.9221, 19.9451, 23.5160 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, 118, 129) }
```


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

```
.border{ border-color:rgb(138, 118, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 118, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 118, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 118, 129);  
box-shadow:4px 4px 4px 4px rgb(138, 118,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9221, 19.9451, 23.5160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 118, 129) }
```

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

```
.background{ background-color: rgb(138,  
118, 129) }
```

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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