

Converting Colors

XYZ(21.6936, 13.6209, 19.8106)

Have a look what the booklet for
XYZ(21.6936, 13.6209, 19.8106)
contains.

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Color

**XYZ(21.7653, 13.6208,
19.8943)**

Conversions

Conversions Part 1

Format	Color
Hex	A9417A
RGB	169, 65, 122
RGB Percent	66%, 25%, 48%
CMY	0.3373, 0.7451, 0.5216
CMYK	0.00, 0.62, 0.28, 0.34
HSL	327°, 44%, 46%
HSV	327°, 62%, 66%
XYZ	21.7653, 13.6208, 19.8943
YIQ	102.5940, 43.6870, 39.7750

Conversions

Conversions Part 2

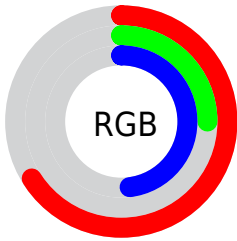
Format	Color
R _{YB}	169, 65, 122
Decimal	11092346
CIE _{Lab}	43.68, 48.64, -10.59
CIE _{LCh}	44, 49.779, 347.723
Yxy	13.6208, 0.3937, 0.2464
Android (android.graphics.Color)	4289282426 (0xFFA9417A)
YUV	102.5940, 9.5672, 58.2381
Hunter-Lab	36.9064, 40.6831, -6.1257

Details

The XYZ color **21.7653, 13.6208, 19.8943** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.2933, 30.6699, 20.2340**, and the grayscale version is **12.7533, 13.4174, 14.6116**.

A 20% lighter version of the original color is **45.7970, 32.3438, 43.8736**, and **8.0126, 3.9917, 6.6515** is the 20% darker color. If you saturate the color by 10%, you get **20.4814, 11.7808, 17.2225**, and if you desaturate by 10%, it is **23.3774, 16.0575, 22.8593**.

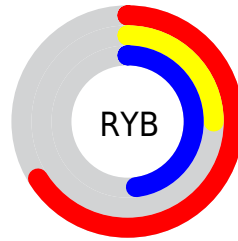
Distribution



Red (66%)

Green (25%)

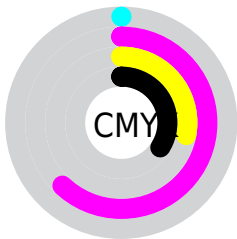
Blue (48%)



Red (66%)

Yellow (25%)

Blue (48%)

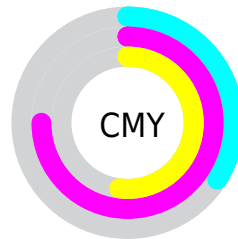


Cyan (0%)

Magenta (62%)

Yellow (28%)

Black (34%)



Cyan (34%)


Magenta (75%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7653, 13.6208, 19.8943 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 21.7653, 13.6208, 19.8943 by changing the saturation by 10% instead.


 21.7653, 13.6208,
19.8943


 21.7653, 13.6208,
19.8943


253.9736,
214.8589, 263.9276


 13.8002, 7.8574,
12.1349


 45.8395, 32.4147,
44.0965


 8.0626, 4.0038,
6.7120


 62.6794, 46.2139,
61.3765


 4.1872, 1.6757,
3.2069

 83.2081, 63.4606,
82.6670

 1.8086, 0.4079,
1.2012

 107.7912, 84.5391,
108.3867

 0.5228, 0.0000,
0.0000

 136.7939,
109.8337, 138.9540

 0.0000, 0.0000,
0.0000

170.5817,

139.7290, 174.7876

209.5198,
174.6092, 216.3060

■ 21.7653, 13.6208,
19.8943

■ 21.7653, 13.6208,
19.8943

■ 20.4814, 11.7808,
17.2225

■ 23.3774, 16.0575,
22.8593

■ 19.4969, 10.4815,
14.8297

■ 25.3409, 19.1361,
26.1290

■ 18.7796, 9.6599,
12.7009

■ 27.6780, 22.8999,
29.7147

■ 18.3212, 9.2186,
11.0819

■ 30.4087, 27.3876,
33.6270

■ 33.5517, 32.6352,
37.8757

■ 37.1242, 38.6762,
42.4703

■ 41.1426, 45.5420,
47.4197

■ 45.6223, 53.2624,
52.7324

■ 50.5780, 61.8658,
58.4167

Harmonies

Analogous

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



19.3406, 13.6208, 34.5323



21.7653, 13.6208, 19.8943



21.5051, 13.6208, 9.1964

Triad

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



21.7653, 13.6208, 19.8943



10.7906, 13.6208, 2.3252



8.5201, 13.6208, 37.1351

Complementary

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



21.7653, 13.6208, 19.8943



19.2933, 30.6699, 20.2340

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.



7.0260, 13.6208, 22.3946



21.7653, 13.6208, 19.8943



8.1438, 13.6208, 4.5526

Square

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



21.7653, 13.6208, 19.8943



14.6108, 13.6208, 2.1747



6.9038, 13.6208, 10.7087



11.4130, 13.6208, 47.3681

Rectangle

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



21.7653, 13.6208, 19.8943



19.8467, 13.6208, 5.1752



6.9038, 13.6208, 10.7087



7.8652, 13.6208, 32.2812

Sweetspot

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



21.7657, 13.6215, 19.8946



56.1867, 51.9177, 62.6022



15.7092, 10.0778, 38.6533



11.9172, 10.7689, 13.1917



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.7657, 13.6215, 19.8946



35.9528, 20.1087, 29.1632



19.3648, 12.6611, 7.2517



7.6966, 7.6085, 8.7197



13.6820, 6.8815, 8.4030



0.3582, 0.1775, 0.3375

Inverse Universe

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



21.7657, 13.6215, 19.8946



35.9528, 20.1087, 29.1632



23.0511, 32.1730, 40.0225



7.6966, 7.6085, 8.7197



13.6820, 6.8815, 8.4030



0.3582, 0.1775, 0.3375

Previews

White Background



This preview shows how the XYZ color 21.7653, 13.6208, 19.8943 looks on a white background.

Color Contrast Check

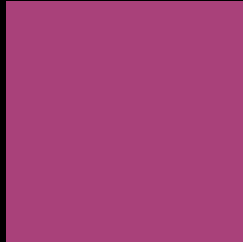
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.7653, 13.6208, 19.8943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

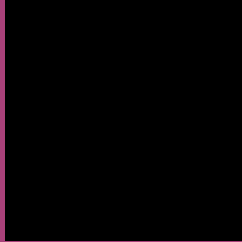
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7653, 13.6208, 19.8943

Background



This preview shows how black text looks on a background with the XYZ color 21.7653, 13.6208, 19.8943.



This preview shows how white text looks on a background with the XYZ color 21.7653, 13.6208,

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

21.7653, 13.6208, 19.8943

Protanopia

14.2165, 13.7647, 29.9245

Deuteranopia

13.9904, 13.7565, 18.4409



Tritanopia

19.4811, 13.6107, 9.1898

Trichromacy



Original Color

21.7653, 13.6208, 19.8943

Protanomaly

15.7038, 12.8604, 26.0807

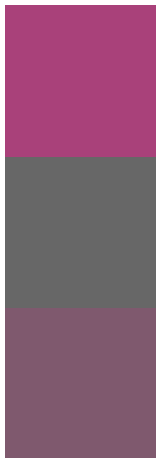
Deuteranomaly

15.9657, 13.0333, 18.8137

Tritanomaly

20.0447, 13.4397, 12.3641

Monochromacy



Original Color

21.7653, 13.6208, 19.8943

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.1392, 12.7826, 16.4212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7653, 13.6208, 19.8943 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(169, 65, 122)` looks like.

```
.text, #text, p{  
    color:rgb(169, 65, 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(169, 65, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 65, 122) }
```

Border

The CSS property to change the border of an element to XYZ 21.7653, 13.6208, 19.8943 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(169, 65, 122) }
```


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

```
.border{ border-color:rgb(169, 65, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 65, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 65, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 65, 122);  
box-shadow:4px 4px 4px 4px rgb(169, 65,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7653, 13.6208, 19.8943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 65, 122) }
```

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

```
.background{ background-color: rgb(169, 65,  
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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