

Converting Colors

XYZ(23.5478, 21.6850, 37.9999)

Have a look what the booklet for
XYZ(23.5478, 21.6850, 37.9999)
contains.

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Color

**XYZ(23.4919, 21.6677,
38.0661)**

Conversions

Conversions Part 1

Format	Color
Hex	867AA4
RGB	134, 122, 164
RGB Percent	53%, 48%, 64%
CMY	0.4745, 0.5216, 0.3569
CMYK	0.18, 0.26, 0.00, 0.36
HSL	257°, 19%, 56%
HSV	257°, 26%, 64%
XYZ	23.4919, 21.6677, 38.0661
YIQ	130.3760, -6.3300, 15.6060

Conversions

Conversions Part 2

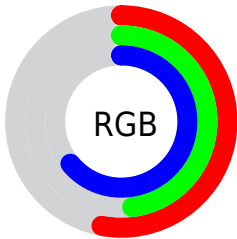
Format	Color
R_{YB}	134, 122, 164
Decimal	8813220
CIE _{Lab}	53.67, 13.47, -20.77
CIE _{LCh}	54, 24.754, 302.968
Yxy	21.6677, 0.2823, 0.2603
Android (android.graphics.Color)	4287003300 (0xFF867AA4)
YUV	130.3760, 16.5766, 3.1782
Hunter-Lab	46.5486, 8.6245, -15.9017

Details

The XYZ color **23.4919, 21.6677, 38.0661** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.7378, 34.6320, 23.5305**, and the grayscale version is **21.2965, 22.4056, 24.3997**.

A 20% lighter version of the original color is **48.6613, 46.0779, 73.3470**, and **8.9633, 7.8198, 16.3662** is the 20% darker color. If you saturate the color by 10%, you get **19.8809, 17.0653, 37.3684**, and if you desaturate by 10%, it is **27.6510, 27.0581, 38.8877**.

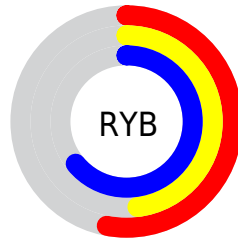
Distribution



Red (53%)

Green (48%)

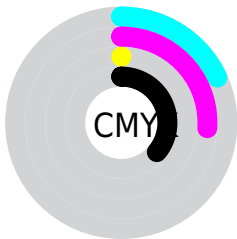
Blue (64%)



Red (53%)

Yellow (48%)

Blue (64%)

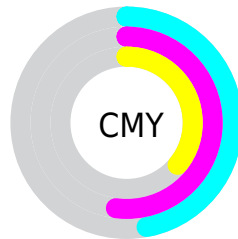


Cyan (18%)

Magenta (26%)

Yellow (0%)

Black (36%)



Cyan (47%)

Magenta (52%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4919, 21.6677, 38.0661 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 23.4919, 21.6677, 38.0661 by changing the saturation by 10% instead.

■ 23.4919, 21.6677,
38.0661

■ 23.4919, 21.6677,
38.0661

262.7299,
260.8060, 353.2101

■ 15.0798, 13.6129,
25.7318

■ 48.6605, 46.1962,
73.4140

■ 8.9621, 7.8520,
16.3991

■ 66.1478, 63.4386,
97.2646

■ 4.7734, 4.0004,
9.6496

■ 87.3908, 84.5125,
125.7911

■ 2.1483, 1.6738,
5.0647

112.7549,
109.8021, 159.4120

■ 0.7153, 0.4066,
2.2259

142.6056,
139.6919, 198.5458

■ 0.0000, 0.0000,
0.6892

177.3080,

■ 0.0000, 0.0000,

174.5662, 243.6110

0.0000

217.2277,
214.8094, 295.0263

■ 23.4919, 21.6677,
38.0661

■ 23.4919, 21.6677,
38.0661

■ 19.8809, 17.0653,
37.3684

■ 27.6510, 27.0581,
38.8877

■ 16.7921, 13.2108,
36.7872

■ 32.3783, 33.2690,
39.8374

■ 14.2007, 10.0642,
36.3165

■ 37.6955, 40.3340,
40.9208

■ 12.0786, 7.5811,
35.9490

■ 43.6226, 48.2842,
42.1430

■ 10.3952, 5.7114,
35.6768

■ 50.1784, 57.1491,
43.5085

■ 9.1153, 4.3978,
35.4908

■ 57.3811, 66.9568,
45.0220

■ 8.1953, 3.5668,
35.3788

■ 65.2479, 77.7342,
46.6876

■ 7.8666, 3.2813,
35.3411

■ 73.7957, 89.5072,
48.5095

■ 78.2035, 92.6263,
48.8792

Harmonies

Analogous

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



20.8593, 21.6677, 41.3607



23.4919, 21.6677, 38.0661



25.4720, 21.6677, 30.8612

Triad

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



23.4919, 21.6677, 38.0661



22.9968, 21.6677, 12.8397



15.9159, 21.6677, 24.3557

Complementary

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



23.4919, 21.6677, 38.0661



29.7378, 34.6320, 23.5305

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.



16.3832, 21.6677, 17.5652



23.4919, 21.6677, 38.0661



20.3319, 21.6677, 11.8190

Square

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



23.4919, 21.6677, 38.0661



25.1693, 21.6677, 16.5125



17.9457, 21.6677, 13.3497



16.6106, 21.6677, 32.4523

Rectangle

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



23.4919, 21.6677, 38.0661



26.0735, 21.6677, 25.4234



17.9457, 21.6677, 13.3497



15.9424, 21.6677, 21.8516

Sweetspot

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



23.4926, 21.6686, 38.0666



56.4902, 57.3778, 71.8500



25.9720, 29.3075, 39.4104



12.0725, 12.1788, 15.6520



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.4926, 21.6686, 38.0666



38.6091, 34.1722, 68.3133



27.1594, 23.5589, 38.2382



6.8817, 6.9534, 8.8825



6.0735, 2.5375, 27.0995



0.1718, 0.0761, 0.5715

Inverse Universe

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



27.9375, 24.0794, 32.8817



48.2244, 39.3932, 56.8272



26.1645, 32.7899, 23.3633



7.2776, 7.1675, 8.4484



14.2285, 7.0475, 13.6598



0.3177, 0.1556, 0.3857

Previews

White Background



This preview shows how the XYZ color 23.4919, 21.6677, 38.0661 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 23.4919, 21.6677, 38.0661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

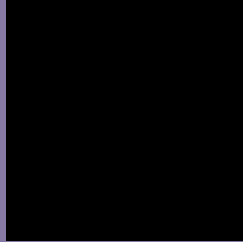
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4919, 21.6677, 38.0661

Background



This preview shows how black text looks on a background with the XYZ color 23.4919, 21.6677, 38.0661.



This preview shows how white text looks on a background with the XYZ color 23.4919, 21.6677,

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

23.4919, 21.6677, 38.0661

Protanopia

21.9005, 21.7507, 39.6032

Deuteranopia

22.0978, 21.7036, 37.6749



Tritanopia

21.1580, 21.6520, 26.7310

Trichromacy



Original Color

23.4919, 21.6677, 38.0661

Protanomaly

22.3849, 21.6314, 39.0718

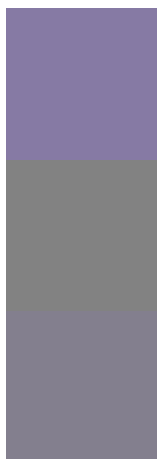
Deuteranomaly

22.5487, 21.7472, 37.6595

Tritanomaly

21.9601, 21.5991, 30.6154

Monochromacy



Original Color

23.4919, 21.6677, 38.0661

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.8319, 21.9570, 28.6786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4919, 21.6677, 38.0661 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(134, 122, 164)` looks like.

```
.text, #text, p{  
    color:rgb(134, 122, 164)  
}
```

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(134, 122, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 122, 164) }
```

Border

The CSS property to change the border of an element to XYZ 23.4919, 21.6677, 38.0661 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(134, 122, 164) }
```


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

```
.border{ border-color:rgb(134, 122, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 122, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 122, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 122, 164);  
box-shadow:4px 4px 4px 4px rgb(134, 122,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4919, 21.6677, 38.0661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 122, 164) }
```

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

```
.background{ background-color: rgb(134,  
122, 164) }
```

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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