

Converting Colors

XYZ(23.4386, 21.7315, 33.9701)

Have a look what the booklet for
XYZ(23.4386, 21.7315, 33.9701)
contains.

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Color

**XYZ(23.3572, 21.6889,
33.9657)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7A9B
RGB	138, 122, 155
RGB Percent	54%, 48%, 61%
CMY	0.4588, 0.5216, 0.3922
CMYK	0.11, 0.21, 0.00, 0.39
HSL	269°, 14%, 54%
HSV	269°, 21%, 61%
XYZ	23.3572, 21.6889, 33.9657
YIQ	130.5460, -1.0570, 13.6550

Conversions

Conversions Part 2

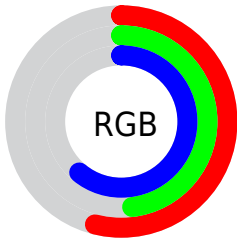
Format	Color
R _Y B	138, 122, 155
Decimal	9075355
CIE Lab	53.70, 12.77, -15.48
CIE LCh	54, 20.066, 309.530
Yxy	21.6889, 0.2956, 0.2745
Android (android.graphics.Color)	4287265435 (0xFF8A7A9B)
YUV	130.5460, 12.0558, 6.5372
Hunter-Lab	46.5713, 8.0243, -10.6418

Details

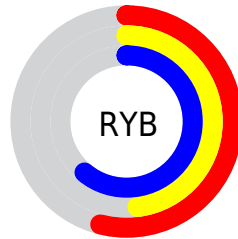
The XYZ color **23.3572, 21.6889, 33.9657** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.8824, 30.3373, 22.9049**, and the grayscale version is **21.3710, 22.4840, 24.4850**.

A 20% lighter version of the original color is **48.3829, 46.0820, 66.6663**, and **8.9057, 7.8393, 14.1404** is the 20% darker color. If you saturate the color by 10%, you get **20.3310, 17.5258, 33.3220**, and if you desaturate by 10%, it is **26.7855, 26.5111, 34.7161**.

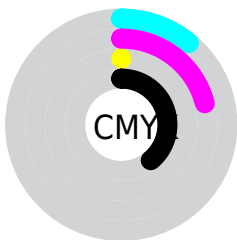
Distribution



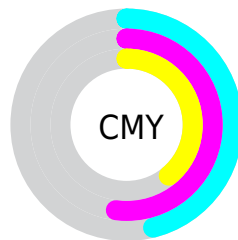
- Red (54%)
- Green (48%)
- Blue (61%)



- Red (54%)
- Yellow (48%)
- Blue (61%)



- Cyan (11%)
- Magenta (21%)
- Yellow (0%)
- Black (39%)



- Cyan (46%)
- Magenta (52%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3572, 21.6889, 33.9657 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 23.3572, 21.6889, 33.9657 by changing the saturation by 10% instead.

■ 23.3572, 21.6889,
33.9657

■ 23.3572, 21.6889,
33.9657

262.0556,
260.9173, 334.7436

■ 14.9796, 13.6285,
22.5901

■ 48.4415, 46.2313,
67.0136

■ 8.8913, 7.8627,
14.0887

■ 65.8790, 63.4820,
89.5230

■ 4.7269, 4.0072,
8.0429

■ 87.0672, 84.5650,
116.5807

■ 2.1210, 1.6776,
4.0343

112.3714,
109.8646, 148.6054

■ 0.7006, 0.4091,
1.6442

142.1569,
139.7653, 186.0154

■ 0.0000, 0.0000,
0.3220

176.7893,

■ 0.0000, 0.0000,

174.6513, 229.2295

0.0000

216.6337,
214.9072, 278.6660

■ 23.3572, 21.6889,
33.9657

■ 23.3572, 21.6889,
33.9657

■ 20.3310, 17.5258,
33.3220

■ 26.7855, 26.5111,
34.7161

■ 17.6883, 13.9891,
32.7786

■ 30.6293, 32.0174,
35.5764

■ 15.4123, 11.0477,
32.3308

■ 34.9037, 38.2349,
36.5512

■ 13.4836, 8.6665,
31.9729

■ 39.6226, 45.1885,
37.6446

■ 11.8812, 6.8065,
31.6983

■ 44.7992, 52.9018,
38.8606

10.5812, 5.4237,
31.4999

50.4461, 61.3973,
40.2028

9.5558, 4.4661,
31.3691

56.5753, 70.6966,
41.6747

8.8299, 3.8685,
31.2920

63.1986, 80.8205,
43.2797

68.2170, 87.5687,
44.3178

Harmonies

Analogous

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



21.3062, 21.6889, 37.3093



23.3572, 21.6889, 33.9657



24.7318, 21.6889, 27.9990

Triad

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



23.3572, 21.6889, 33.9657



22.0932, 21.6889, 14.1757



16.8033, 21.6889, 25.6289

Complementary

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



23.3572, 21.6889, 33.9657



25.8824, 30.3373, 22.9049

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.



16.9818, 21.6889, 19.7152



23.3572, 21.6889, 33.9657



19.9383, 21.6889, 13.7644

Square

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



23.3572, 21.6889, 33.9657



23.9676, 21.6889, 16.8577



18.0956, 21.6889, 15.6157



17.5899, 21.6889, 31.9740

Rectangle

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



23.3572, 21.6889, 33.9657



25.0273, 21.6889, 23.7126



18.0956, 21.6889, 15.6157



16.7537, 21.6889, 23.5187

Sweetspot

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



23.3579, 21.6898, 33.9662



51.4348, 52.4217, 62.9438



23.1831, 24.9847, 34.6114



11.5497, 11.7331, 14.2264



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.3579, 21.6898, 33.9662



38.9145, 34.8087, 60.2040



26.2888, 23.2008, 34.1033



6.1552, 6.1659, 7.7947



7.1359, 3.1297, 25.1357



0.1484, 0.0683, 0.3777

Inverse Universe

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



25.1380, 22.7526, 27.4937



42.8095, 37.1348, 46.0146



23.3391, 29.0262, 22.7859



6.3350, 6.2731, 7.1440



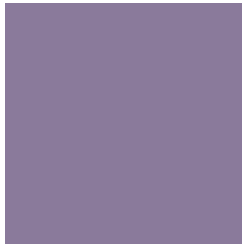
12.0353, 6.0684, 6.7110



0.1983, 0.0981, 0.1971

Previews

White Background



This preview shows how the XYZ color 23.3572, 21.6889, 33.9657 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 23.3572, 21.6889, 33.9657 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 23.3572, 21.6889, 33.9657

Background



This preview shows how black text looks on a background with the XYZ color 23.3572, 21.6889, 33.9657.



This preview shows how white text looks on a background with the XYZ color 23.3572, 21.6889,

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

23.3572, 21.6889, 33.9657

Protanopia

21.7325, 21.7469, 35.8530

Deuteranopia

22.1957, 21.8440, 33.6183



Tritanopia

21.8257, 21.8219, 25.9834

Trichromacy



Original Color

23.3572, 21.6889, 33.9657

Protanomaly

22.2576, 21.6479, 35.3531

Deuteranomaly

22.6821, 21.9059, 33.6046

Tritanomaly

22.3694, 21.8545, 28.6305

Monochromacy



Original Color

23.3572, 21.6889, 33.9657

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.2843, 22.4001, 27.9601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3572, 21.6889, 33.9657 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, 122, 155)` looks like.

```
.text, #text, p{  
    color:rgb(138, 122, 155)  
}
```

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, 122, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 122, 155) }
```

Border

The CSS property to change the border of an element to XYZ 23.3572, 21.6889, 33.9657 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, 122, 155) }
```


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

```
.border{ border-color:rgb(138, 122, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 122, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 122, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 122, 155);  
box-shadow:4px 4px 4px 4px rgb(138, 122,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3572, 21.6889, 33.9657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 122, 155) }
```

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

```
.background{ background-color: rgb(138,  
122, 155) }
```

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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