

Converting Colors

XYZ(23.4317, 21.4913, 31.7445)

Have a look what the booklet for
XYZ(23.4317, 21.4913, 31.7445)
contains.

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Color

**XYZ(23.3768, 21.3857,
31.7499)**

Conversions

Conversions Part 1

Format	Color
Hex	8E7896
RGB	142, 120, 150
RGB Percent	56%, 47%, 59%
CMY	0.4431, 0.5294, 0.4118
CMYK	0.05, 0.20, 0.00, 0.41
HSL	284°, 12%, 53%
HSV	284°, 20%, 59%
XYZ	23.3768, 21.3857, 31.7499
YIQ	129.9980, 3.4820, 13.9940

Conversions

Conversions Part 2

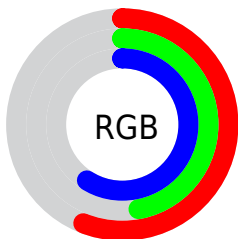
Format	Color
R_{YB}	142, 120, 150
Decimal	9336982
CIE _{Lab}	53.37, 14.27, -13.02
CIE _{LCh}	53, 19.316, 317.607
Yxy	21.3857, 0.3055, 0.2795
Android (android.graphics.Color)	4287527062 (0xFF8E7896)
YUV	129.9980, 9.8610, 10.5258
Hunter-Lab	46.2447, 9.3040, -8.3351

Details

The XYZ color **23.3768, 21.3857, 31.7499** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.1993, 27.7585, 21.9055**, and the grayscale version is **21.1833, 22.2865, 24.2700**.

A 20% lighter version of the original color is **48.4166, 45.6004, 63.3767**, and **8.9190, 7.6826, 12.8172** is the 20% darker color. If you saturate the color by 10%, you get **21.0384, 17.7092, 31.1638**, and if you desaturate by 10%, it is **26.0238, 25.6420, 32.4323**.

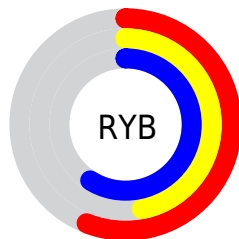
Distribution



Red (56%)

Green (47%)

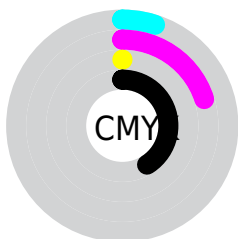
Blue (59%)



Red (56%)

Yellow (47%)

Blue (59%)

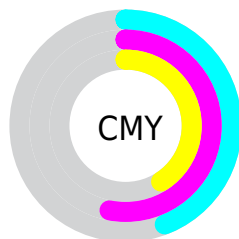


Cyan (5%)

Magenta (20%)

Yellow (0%)

Black (41%)



Cyan (44%)

Magenta (53%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3768, 21.3857, 31.7499 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 23.3768, 21.3857, 31.7499 by changing the saturation by 10% instead.

■ 23.3768, 21.3857,
31.7499

■ 23.3768, 21.3857,
31.7499

262.1538,
259.3212, 324.4359

■ 14.9942, 13.4062,
20.9073

■ 48.4734, 45.7286,
63.5122

■ 8.9016, 7.7089,
12.8657

■ 65.9181, 62.8608,
85.2689

■ 4.7337, 3.9092,
7.2065

■ 87.1143, 83.8126,
111.5008

■ 2.1250, 1.6229,
3.5112

112.4272,
108.9686, 142.6263

■ 0.7027, 0.3730,
1.3612

142.2223,
138.7130, 179.0640

■ 0.0000, 0.0000,
0.1112

176.8648,

■ 0.0000, 0.0000,

173.4304, 221.2325

0.0000

216.7202,
213.5050, 269.5503

■ 23.3768, 21.3857,
31.7499

■ 23.3768, 21.3857,
31.7499

■ 21.0384, 17.7092,
31.1638

■ 26.0238, 25.6420,
32.4323

■ 18.9932, 14.5833,
30.6683

■ 28.9899, 30.4999,
33.2136

■ 17.2274, 11.9805,
30.2589

■ 32.2875, 35.9837,
34.0983

■ 15.7254, 9.8697,
29.9307

■ 35.9279, 42.1152,
35.0899

■ 14.4697, 8.2166,
29.6778

■ 39.9216, 48.9154,
36.1920

■ 13.4407, 6.9823,
29.4938

■ 44.2788, 56.4042,
37.4078

■ 12.6154, 6.1212,
29.3711

■ 49.0093, 64.6007,
38.7406

■ 11.9355, 5.5171,
29.2903

■ 54.1223, 73.5233,
40.1933

■ 11.9354, 5.5170,
29.2903

■ 59.6257, 83.1873,
41.7686

Harmonies

Analogous

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



21.5415, 21.3857, 35.7789



23.3768, 21.3857, 31.7499



24.4218, 21.3857, 25.7914

Triad

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



23.3768, 21.3857, 31.7499



21.1836, 21.3857, 13.9132



16.7982, 21.3857, 26.8675

Complementary

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



23.3768, 21.3857, 31.7499



23.1993, 27.7585, 21.9055

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.



16.7166, 21.3857, 20.9472



23.3768, 21.3857, 31.7499



19.1580, 21.3857, 14.1025

Square

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



23.3768, 21.3857, 31.7499



23.0997, 21.3857, 15.9076



17.5537, 21.3857, 16.4773



17.7846, 21.3857, 32.6508

Rectangle

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



23.3768, 21.3857, 31.7499



24.4864, 21.3857, 21.8236



17.5537, 21.3857, 16.4773



16.6665, 21.3857, 24.8111

Sweetspot

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



23.3775, 21.3866, 31.7504



47.8886, 48.4498, 57.7490



21.0361, 21.7651, 31.9468



10.5478, 10.6311, 12.7809



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.3775, 21.3866, 31.7504



39.3429, 34.7149, 55.5483



24.2907, 21.9162, 29.1361



5.8860, 5.8322, 7.2852



9.9302, 4.5918, 24.2940



0.1495, 0.0706, 0.2987

Inverse Universe

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



23.1911, 21.4764, 23.3461



38.9936, 34.9273, 37.8028



22.4510, 27.3256, 24.0002



5.8605, 5.8393, 6.3718



10.7612, 5.5095, 2.2236



0.1426, 0.0718, 0.0844

Previews

White Background



This preview shows how the XYZ color 23.3768, 21.3857, 31.7499 looks on a white background.

Color Contrast Check

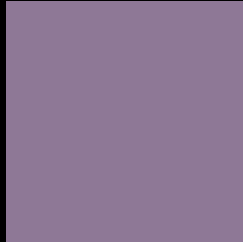
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3768, 21.3857, 31.7499 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 23.3768, 21.3857, 31.7499

Background



This preview shows how black text looks on a background with the XYZ color 23.3768, 21.3857, 31.7499.



This preview shows how white text looks on a background with the XYZ color 23.3768, 21.3857,

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

23.3768, 21.3857, 31.7499

Protanopia

21.1787, 21.3198, 33.5707

Deuteranopia

21.9644, 21.5830, 31.4421



Tritanopia

21.9641, 21.3483, 25.1533

Trichromacy



Original Color

23.3768, 21.3857, 31.7499

Protanomaly

22.0107, 21.3823, 33.1041

Deuteranomaly

22.3393, 21.4042, 31.3878

Tritanomaly

22.4350, 21.3586, 27.3663

Monochromacy



Original Color

23.3768, 21.3857, 31.7499

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.8077, 21.7962, 26.7246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3768, 21.3857, 31.7499 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(142, 120, 150)` looks like.

```
.text, #text, p{  
    color:rgb(142, 120, 150)  
}
```

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(142, 120, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 120, 150) }
```

Border

The CSS property to change the border of an element to XYZ 23.3768, 21.3857, 31.7499 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(142, 120, 150) }
```


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

```
.border{ border-color:rgb(142, 120, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 120, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 120, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 120, 150);  
box-shadow:4px 4px 4px 4px rgb(142, 120,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3768, 21.3857, 31.7499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 120, 150) }
```

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

```
.background{ background-color: rgb(142,  
120, 150) }
```

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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