

Converting Colors

XYZ(23.6996, 21.0770, 29.8218)

Have a look what the booklet for
XYZ(23.6996, 21.0770, 29.8218)
contains.

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Color

**XYZ(23.7623, 21.0938,
30.0132)**

Conversions

Conversions Part 1

Format	Color
Hex	947592
RGB	148, 117, 146
RGB Percent	58%, 46%, 57%
CMY	0.4196, 0.5412, 0.4274
CMYK	0.00, 0.21, 0.01, 0.42
HSL	304°, 13%, 52%
HSV	304°, 21%, 58%
XYZ	23.7623, 21.0938, 30.0132
YIQ	129.5750, 9.1670, 15.5910

Conversions

Conversions Part 2

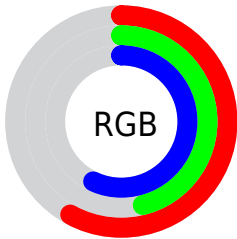
Format	Color
R_{YB}	148, 117, 146
Decimal	9729426
CIE _{Lab}	53.05, 17.34, -11.11
CIE _{LCh}	53, 20.596, 327.369
Yxy	21.0938, 0.3174, 0.2817
Android (android.graphics.Color)	4287919506 (0xFF947592)
YUV	129.5750, 8.0975, 16.1587
Hunter-Lab	45.9280, 11.9787, -6.5955

Details

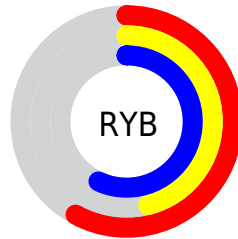
The XYZ color **23.7623, 21.0938, 30.0132** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.2566, 26.2942, 21.4088**, and the grayscale version is **21.0388, 22.1344, 24.1044**.

A 20% lighter version of the original color is **48.9704, 45.1026, 60.7682**, and **9.0624, 7.5019, 11.7968** is the 20% darker color. If you saturate the color by 10%, you get **22.0986, 17.8845, 29.0939**, and if you desaturate by 10%, it is **25.7005, 24.8505, 31.0276**.

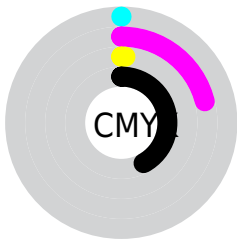
Distribution



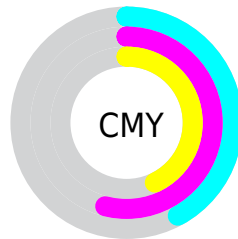
- Red (58%)
- Green (46%)
- Blue (57%)



- Red (58%)
- Yellow (46%)
- Blue (57%)



- Cyan (0%)
- Magenta (21%)
- Yellow (1%)
- Black (42%)



- Cyan (42%)
- Magenta (54%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7623, 21.0938, 30.0132 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 23.7623, 21.0938, 30.0132 by changing the saturation by 10% instead.

■ 23.7623, 21.0938,
30.0132

■ 23.7623, 21.0938,
30.0132

264.0794,
257.7766, 316.1752

■ 15.2812, 13.1926,
19.5965

■ 49.0995, 45.2436,
60.7443

■ 9.1046, 7.5613,
11.9209

■ 66.6863, 62.2610,
81.8958

■ 4.8671, 3.8155,
6.5680

■ 88.0391, 83.0858,
107.4625

■ 2.2034, 1.5709,
3.1191

113.5231,
108.1026, 137.8632

■ 0.7446, 0.3379,
1.1558

143.5038,
137.6957, 173.5162

■ 0.0000, 0.0000,
0.0000

178.3465,

172.2494, 214.8402

218.4166,
212.1483, 262.2537

■ 23.7623, 21.0938,
30.0132

■ 23.7623, 21.0938,
30.0132

■ 22.0986, 17.8845,
29.0939

■ 25.7005, 24.8505,
31.0276

■ 20.6948, 15.1943,
28.2640

■ 27.9233, 29.1756,
32.1396

■ 19.5377, 12.9964,
27.5194

■ 30.4425, 34.0927,
33.3536

■ 18.6121, 11.2607,
26.8550

■ 33.2688, 39.6229,
34.6729

■ 17.9014, 9.9538,
26.2653

■ 36.4122, 45.7864,
36.1011

■ 17.3866, 9.0376,
25.7439

■ 39.8824, 52.6024,
37.6414

■ 17.0453, 8.4676,
25.2834

■ 43.6887, 60.0896,
39.2967

■ 16.8331, 8.1440,
24.9012

■ 47.8399, 68.2654,
41.0701

■ 52.3444, 77.1471,
42.9644

Harmonies

Analogous

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



22.0239, 21.0938, 35.2625



23.7623, 21.0938, 30.0132



24.5006, 21.0938, 23.5191

Triad

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



23.7623, 21.0938, 30.0132



20.2407, 21.0938, 12.9996



16.5754, 21.0938, 28.8945

Complementary

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



23.7623, 21.0938, 30.0132



21.2566, 26.2942, 21.4088

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.



16.1722, 21.0938, 22.4247



23.7623, 21.0938, 30.0132



18.1959, 21.0938, 13.9251

Square

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



23.7623, 21.0938, 30.0132



22.3781, 21.0938, 14.3208



16.7443, 21.0938, 17.1211



17.8875, 21.0938, 34.5392

Rectangle

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



23.7623, 21.0938, 30.0132



24.2893, 21.0938, 19.5899



16.7443, 21.0938, 17.1211



16.3334, 21.0938, 26.7127

Sweetspot

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



23.7629, 21.0947, 30.0137



47.1747, 47.4006, 55.6706



19.2537, 18.7520, 30.6220



10.7178, 10.7211, 12.6827



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.



23.7629, 21.0947, 30.0137



40.5320, 34.5233, 52.1977



22.6681, 20.6568, 24.2482



6.0193, 5.9028, 7.2079



14.3818, 6.9578, 21.2895



0.1800, 0.0867, 0.2813

Inverse Universe

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



23.7629, 21.0947, 30.0137



40.5320, 34.5233, 52.1977



22.2333, 26.6849, 26.5522



6.0193, 5.9028, 7.2079



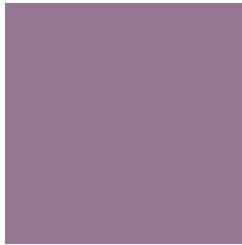
14.3818, 6.9578, 21.2895



0.1800, 0.0867, 0.2813

Previews

White Background



This preview shows how the XYZ color 23.7623, 21.0938, 30.0132 looks on a white background.

Color Contrast Check

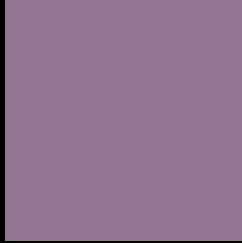
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7623, 21.0938, 30.0132 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 23.7623, 21.0938, 30.0132

Background



This preview shows how black text looks on a background with the XYZ color 23.7623, 21.0938, 30.0132.



This preview shows how white text looks on a background with the XYZ color 23.7623, 21.0938,

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

23.7623, 21.0938, 30.0132

Protanopia

21.0135, 21.2537, 32.7006

Deuteranopia

21.6786, 21.2849, 29.7539



Tritanopia

22.5330, 21.1289, 23.6595

Trichromacy



Original Color

23.7623, 21.0938, 30.0132

Protanomaly

21.9481, 21.1932, 31.7881

Deuteranomaly

22.2647, 21.0374, 29.6752

Tritanomaly

23.0026, 21.1460, 25.7909

Monochromacy



Original Color

23.7623, 21.0938, 30.0132

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.0941, 21.7632, 26.3288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7623, 21.0938, 30.0132 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(148, 117, 146)` looks like.

```
.text, #text, p{  
    color:rgb(148, 117, 146)  
}
```

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(148, 117, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 117, 146) }
```

Border

The CSS property to change the border of an element to XYZ 23.7623, 21.0938, 30.0132 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(148, 117, 146) }
```


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

```
.border{ border-color:rgb(148, 117, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 117, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 117, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 117, 146);  
box-shadow:4px 4px 4px 4px rgb(148, 117,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7623, 21.0938, 30.0132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 117, 146) }
```

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

```
.background{ background-color: rgb(148,  
117, 146) }
```

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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