

Converting Colors

XYZ(24.0162, 20.7769, 30.6861)

Have a look what the booklet for
XYZ(24.0162, 20.7769, 30.6861)
contains.

XYZ(23.9403, 20.6568, 30.7423)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.9403, 20.6568,
30.7423)**

Conversions

Conversions Part 1

Format	Color
Hex	967294
RGB	150, 114, 148
RGB Percent	59%, 45%, 58%
CMY	0.4118, 0.5529, 0.4196
CMYK	0.00, 0.24, 0.01, 0.41
HSL	303°, 15%, 52%
HSV	303°, 24%, 59%
XYZ	23.9403, 20.6568, 30.7423
YIQ	128.6400, 10.5420, 18.2060

Conversions

Conversions Part 2

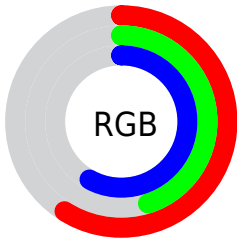
Format	Color
RYB	150, 114, 148
Decimal	9859732
CIELab	52.57, 20.20, -12.98
CIELCh	53, 24.010, 327.277
Yxy	20.6568, 0.3178, 0.2742
Android (android.graphics.Color)	4288049812 (0xFF967294)
YUV	128.6400, 9.5445, 18.7327
Hunter-Lab	45.4498, 14.4864, -8.2890

Details

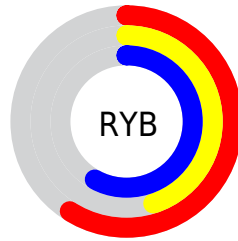
The XYZ color **23.9403, 20.6568, 30.7423** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.9990, 26.6517, 20.5617**, and the grayscale version is **20.7061, 21.7845, 23.7233**.

A 20% lighter version of the original color is **49.4737, 44.5158, 61.8620**, and **9.2515, 7.4121, 12.2523** is the 20% darker color. If you saturate the color by 10%, you get **22.3196, 17.5203, 29.8779**, and if you desaturate by 10%, it is **25.8402, 24.3502, 31.7026**.

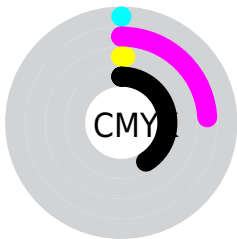
Distribution



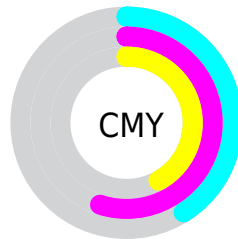
- Red (59%)
- Green (45%)
- Blue (58%)



- Red (59%)
- Yellow (45%)
- Blue (58%)



- Cyan (0%)
- Magenta (24%)
- Yellow (1%)
- Black (41%)



- Cyan (41%)
- Magenta (55%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9403, 20.6568, 30.7423 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 23.9403, 20.6568, 30.7423 by changing the saturation by 10% instead.

■ 23.9403, 20.6568,
30.7423

■ 23.9403, 20.6568,
30.7423

264.9646,
255.4489, 319.6637

■ 15.4138, 12.8734,
20.1459

■ 49.3881, 44.5157,
61.9089

■ 9.1985, 7.3414,
12.3160

■ 67.0402, 61.3599,
83.3162

■ 4.9291, 3.6765,
6.8341

■ 88.4649, 81.9931,
109.1642

■ 2.2400, 1.4943,
3.2817

■ 114.0275,
106.7998, 139.8715

■ 0.7637, 0.2847,
1.2402

144.0935,
136.1643, 175.8565

■ 0.0000, 0.0000,
0.0120

179.0280,

■ 0.0000, 0.0000,

170.4711, 217.5378

0.0000

219.1966,
210.1045, 265.3341

■ 23.9403, 20.6568,
30.7423

■ 23.9403, 20.6568,
30.7423

■ 22.3196, 17.5203,
29.8779

■ 25.8402, 24.3502,
31.7026

■ 20.9627, 14.9110,
29.1036

■ 28.0300, 28.6231,
32.7616

■ 19.8557, 12.8006,
28.4149

■ 30.5222, 33.4999,
33.9237

■ 18.9823, 11.1568,
27.8064

■ 33.3279, 39.0030,
35.1927

■ 18.3248, 9.9439,
27.2721

■ 36.4577, 45.1536,
36.5722

■ 17.8624, 9.1207,
26.8053

■ 39.9217, 51.9718,
38.0654

■ 17.5705, 8.6375,
26.3976

■ 43.7296, 59.4770,
39.6755

■ 17.4353, 8.4271,
26.1673

■ 47.8906, 67.6877,
41.4058

■ 52.4137, 76.6218,
43.2592

Harmonies

Analogous

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



21.9090, 20.6568, 37.0015



23.9403, 20.6568, 30.7423



24.8112, 20.6568, 23.1491

Triad

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



23.9403, 20.6568, 30.7423



19.8619, 20.6568, 11.3931



15.6807, 20.6568, 29.3742

Complementary

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



23.9403, 20.6568, 30.7423



20.9990, 26.6517, 20.5617

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.



15.2317, 20.6568, 21.8469



23.9403, 20.6568, 30.7423



17.5215, 20.6568, 12.3786

Square

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



23.9403, 20.6568, 30.7423



22.3354, 20.6568, 12.8210



15.8772, 20.6568, 15.8676



17.1591, 20.6568, 36.1016

Rectangle

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



23.9403, 20.6568, 30.7423



24.5660, 20.6568, 18.6627



15.8772, 20.6568, 15.8676



15.4101, 20.6568, 26.8117

Sweetspot

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



23.9409, 20.6577, 30.7427



48.1962, 48.0323, 57.2100



18.6992, 17.9370, 31.3312



10.6368, 10.5585, 12.6573



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.



23.9409, 20.6577, 30.7427



40.5962, 33.2521, 53.3826



22.6385, 20.1367, 23.8840



6.0215, 5.9037, 7.2196



14.4641, 6.9907, 21.7229



0.1805, 0.0869, 0.2839

Inverse Universe

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



23.9409, 20.6577, 30.7427



40.5962, 33.2521, 53.3826



22.1357, 27.1064, 26.5474



6.0215, 5.9037, 7.2196



14.4641, 6.9907, 21.7229



0.1805, 0.0869, 0.2839

Previews

White Background



This preview shows how the XYZ color 23.9403, 20.6568, 30.7423 looks on a white background.

Color Contrast Check

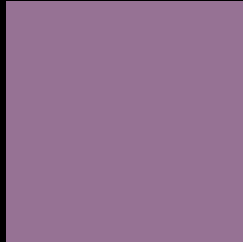
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9403, 20.6568, 30.7423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

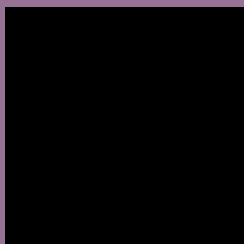
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9403, 20.6568, 30.7423

Background



This preview shows how black text looks on a background with the XYZ color 23.9403, 20.6568, 30.7423.



This preview shows how white text looks on a background with the XYZ color 23.9403, 20.6568,

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

23.9403, 20.6568, 30.7423

Protanopia

20.7318, 20.7038, 33.9139

Deuteranopia

21.1734, 20.8304, 30.0988



Tritanopia

22.3418, 20.6922, 22.8951

Trichromacy



Original Color

23.9403, 20.6568, 30.7423

Protanomaly

21.5899, 20.4458, 32.5143

Deuteranomaly

22.1363, 20.7738, 30.4468

Tritanomaly

22.9472, 20.7677, 25.7208

Monochromacy



Original Color

23.9403, 20.6568, 30.7423

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.9681, 21.5112, 26.2868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9403, 20.6568, 30.7423 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(150, 114, 148)` looks like.

```
.text, #text, p{  
    color:rgb(150, 114, 148)  
}
```

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(150, 114, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 114, 148) }
```

Border

The CSS property to change the border of an element to XYZ 23.9403, 20.6568, 30.7423 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(150, 114, 148) }
```


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

```
.border{ border-color:rgb(150, 114, 148) }
```

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

Here you see how a box with a 4 pixel rgb(150, 114, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 114, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 114, 148);  
box-shadow:4px 4px 4px 4px rgb(150, 114,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9403, 20.6568, 30.7423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 114, 148) }
```

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

```
.background{ background-color: rgb(150,  
114, 148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor