

Converting Colors

XYZ(23.6403, 19.4743, 44.8961)

Have a look what the booklet for
XYZ(23.6403, 19.4743, 44.8961)
contains.

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Color

**XYZ(23.7043, 19.5574,
45.1734)**

Conversions

Conversions Part 1

Format	Color
Hex	876EB3
RGB	135, 110, 179
RGB Percent	53%, 43%, 70%
CMY	0.4706, 0.5686, 0.2980
CMYK	0.25, 0.39, 0.00, 0.30
HSL	262°, 31%, 57%
HSV	262°, 39%, 70%
XYZ	23.7043, 19.5574, 45.1734
YIQ	125.3410, -7.2490, 26.7590

Conversions

Conversions Part 2

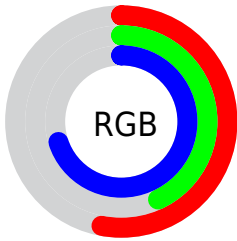
Format	Color
RYB	135, 110, 179
Decimal	8875699
CIELab	51.33, 24.50, -33.07
CIElCh	51, 41.159, 306.526
Yxy	19.5574, 0.2680, 0.2211
Android (android.graphics.Color)	4287065779 (0xFF876EB3)
YUV	125.3410, 26.4539, 8.4709
Hunter-Lab	44.2237, 18.2859, -29.6066

Details

The XYZ color **23.7043, 19.5574, 45.1734** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **32.2613, 40.2364, 20.8186**, and the grayscale version is **19.5238, 20.5405, 22.3686**.

A 20% lighter version of the original color is **48.9020, 42.6576, 84.2536**, and **9.0558, 6.7906, 20.5721** is the 20% darker color. If you saturate the color by 10%, you get **20.2255, 15.1812, 44.5124**, and if you desaturate by 10%, it is **27.7715, 24.8169, 45.9746**.

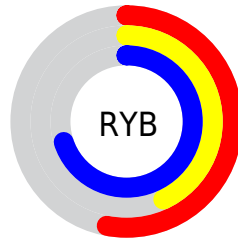
Distribution



Red (53%)

Green (43%)

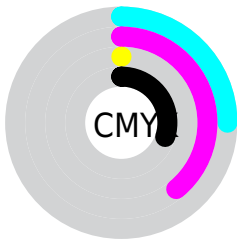
Blue (70%)



Red (53%)

Yellow (43%)

Blue (70%)

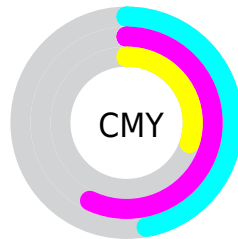


Cyan (25%)

Magenta (39%)

Yellow (0%)

Black (30%)



Cyan (47%)

Magenta (57%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7043, 19.5574, 45.1734 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 23.7043, 19.5574, 45.1734 by changing the saturation by 10% instead.

■ 23.7043, 19.5574,
45.1734

■ 23.7043, 19.5574,
45.1734

263.7904,
249.5089, 383.6560

■ 15.2380, 12.0737,
31.2501

■ 49.0054, 42.6739,
84.3018

■ 9.0740, 6.7939,
20.5293

■ 66.5709, 59.0755,
110.3439

■ 4.8470, 3.3335,
12.5925

■ 87.9002, 79.2185,
141.2627

■ 2.1916, 1.3083,
7.0211

■ 113.3586,
103.4873, 177.4767

■ 0.7383, 0.1476,
3.3967

143.3114,
132.2664, 219.4045

■ 0.0000, 0.0000,
1.3006

178.1241,

■ 0.0000, 0.0000,

165.9401, 267.4647

0.0623

218.1620,
204.8928, 322.0756

■ 0.0000, 0.0000,
0.0000

■ 23.7043, 19.5574,
45.1734

■ 23.7043, 19.5574,
45.1734

■ 20.2255, 15.1812,
44.5124

■ 27.7715, 24.8169,
45.9746

■ 17.3033, 11.6355,
43.9820

■ 32.4526, 31.0036,
46.9220

■ 14.9055, 8.8653,
43.5737

■ 37.7739, 38.1615,
48.0231

■ 12.9958, 6.8077,
43.2772

■ 43.7598, 46.3307,
49.2845

■ 11.5321, 5.3897,
43.0806

■ 50.4330, 55.5494,
50.7121

■ 10.4467, 4.4875,
42.9637

■ 57.8154, 65.8535,
52.3119

■ 10.3073, 4.3736,
42.9491

■ 65.9277, 77.2773,
54.0894

■ 74.7897, 89.8535,
56.0498

■ 79.0666, 92.9054,
56.4134

Harmonies

Analogous

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



19.5021, 19.5574, 52.6545



23.7043, 19.5574, 45.1734



26.8273, 19.5574, 31.6508

Triad

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



23.7043, 19.5574, 45.1734



21.9202, 19.5574, 6.5433



11.7865, 19.5574, 23.9741

Complementary

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



23.7043, 19.5574, 45.1734



32.2613, 40.2364, 20.8186

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.



12.2374, 19.5574, 13.4868



23.7043, 19.5574, 45.1734



17.7043, 19.5574, 5.7877

Square

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



23.7043, 19.5574, 45.1734



25.6957, 19.5574, 10.4585



14.2678, 19.5574, 7.7869



12.9303, 19.5574, 37.8202

Rectangle

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



23.7043, 19.5574, 45.1734



27.6529, 19.5574, 22.6968



14.2678, 19.5574, 7.7869



11.7594, 19.5574, 19.9516

Sweetspot

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



23.7050, 19.5582, 45.1738



64.0313, 63.4521, 85.2539



26.2640, 29.9630, 47.0473



13.9132, 13.6903, 18.8314



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.7050, 19.5582, 45.1738



37.2515, 28.4648, 79.9121



30.0003, 22.8035, 45.4685



8.3230, 8.3750, 10.6842



7.3493, 3.1245, 30.3527



0.2966, 0.1320, 0.9581

Inverse Universe

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



29.9995, 23.0693, 33.4438



50.3349, 35.7762, 54.9236



26.7295, 37.3846, 20.5597



8.7167, 8.5934, 10.0068



15.3209, 7.6459, 12.1159



0.5088, 0.2513, 0.5222

Previews

White Background



This preview shows how the XYZ color 23.7043, 19.5574, 45.1734 looks on a white background.

Color Contrast Check

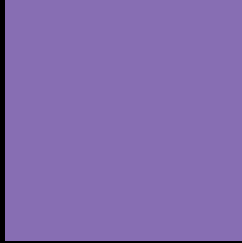
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7043, 19.5574, 45.1734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

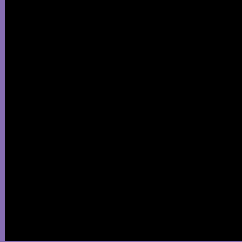
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7043, 19.5574, 45.1734

Background



This preview shows how black text looks on a background with the XYZ color 23.7043, 19.5574, 45.1734.

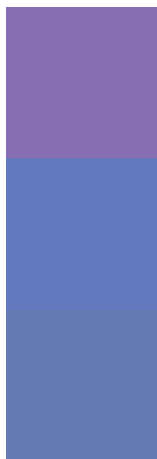


This preview shows how white text looks on a background with the XYZ color 23.7043, 19.5574,

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

23.7043, 19.5574, 45.1734

Protanopia

20.8306, 19.6605, 50.2739

Deuteranopia

20.1400, 19.6158, 44.3197



Tritanopia

19.3499, 19.4803, 23.8593

Trichromacy



Original Color

23.7043, 19.5574, 45.1734

Protanomaly

21.5579, 19.3731, 48.5021

Deuteranomaly

21.2072, 19.4476, 44.7555

Tritanomaly

20.6439, 19.2960, 30.6534

Monochromacy



Original Color

23.7043, 19.5574, 45.1734

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.8806, 20.1444, 29.5758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7043, 19.5574, 45.1734 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(135, 110, 179)` looks like.

```
.text, #text, p{  
    color:rgb(135, 110, 179)  
}
```

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(135, 110, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 110, 179) }
```

Border

The CSS property to change the border of an element to XYZ 23.7043, 19.5574, 45.1734 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(135, 110, 179) }
```


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

```
.border{ border-color:rgb(135, 110, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 110, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 110, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 110, 179);  
box-shadow:4px 4px 4px 4px rgb(135, 110,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7043, 19.5574, 45.1734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 110, 179) }
```

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

```
.background{ background-color: rgb(135,  
110, 179) }
```

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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