

Converting Colors

XYZ(7.7851, 3.5070, 23.2437)

Have a look what the booklet for
XYZ(7.7851, 3.5070, 23.2437)
contains.

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Color

**XYZ(7.7665, 3.4986,
23.1876)**

Conversions

Conversions Part 1

Format	Color
Hex	510087
RGB	81, 0, 135
RGB Percent	32%, 0%, 53%
CMY	0.6823, 1.0000, 0.4706
CMYK	0.40, 1.00, 0.00, 0.47
HSL	276°, 100%, 26%
HSV	276°, 100%, 53%
XYZ	7.7665, 3.4986, 23.1876
YIQ	39.6090, 4.9410, 59.1570

Conversions

Conversions Part 2

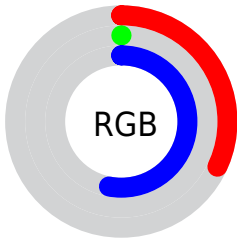
Format	Color
RYB	81, 0, 135
Decimal	5308551
CIELab	21.94, 53.44, -54.02
CIELCh	22, 75.987, 314.689
Yxy	3.4986, 0.2254, 0.1015
Android (android.graphics.Color)	4283498631 (0xFF510087)
YUV	39.6090, 47.0278, 36.2999
Hunter-Lab	18.7045, 41.3838, -60.4073

Details

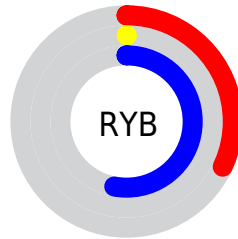
The XYZ color **7.7665, 3.4986, 23.1876** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **10.1852, 18.1122, 2.9592**, and the grayscale version is **1.9416, 2.0427, 2.2245**.

A 20% lighter version of the original color is **21.1162, 12.4634, 49.4368**, and **2.0262, 0.8597, 8.4467** is the 20% darker color. If you saturate the color by 10%, you get **7.7667, 3.4987, 23.1877**, and if you desaturate by 10%, it is **8.3985, 4.0476, 23.2604**.

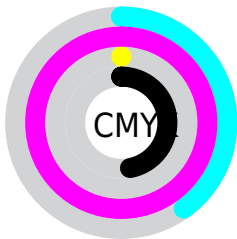
Distribution



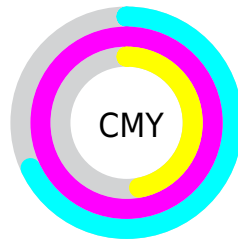
- Red (32%)
- Green (0%)
- Blue (53%)



- Red (32%)
- Yellow (0%)
- Blue (53%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (47%)



- Cyan (68%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.7665, 3.4986, 23.1876 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 7.7665, 3.4986, 23.1876 by changing the saturation by 10% instead.

7.7665, 3.4986,
23.1876

7.7665, 3.4986,
23.1876

168.2986,
134.1646, 281.8402

3.9964, 1.3972,
14.5255

21.1892, 12.4608,
49.6283

1.7001, 0.2147,
8.3441

31.5726, 20.0904,
68.2439

0.4563, 0.0000,
4.2250

44.8912, 30.3316,
91.0145

0.0000, 0.0000,
1.7496

61.5102, 43.5688,
118.3585

0.0000, 0.0000,
0.3944

81.7951, 60.1862,
150.6946


0.0000, 0.0000,
0.0000


106.1113, 80.5684,

188.4412


 134.8240,
105.0998, 232.0169


 7.7665, 3.4986,
23.1876

 7.7665, 3.4986,
23.1876

 7.7667, 3.4987,
23.1877

 8.3985, 4.0476,
23.2604

 9.1590, 4.7983,
23.3652

 10.1002, 5.8533,
23.5192

 11.2403, 7.2477,
23.7282

 12.5947, 9.0115,
23.9973

■ 14.1774, 11.1715,
24.3308

■ 16.0009, 13.7518,
24.7327

■ 18.0770, 16.7745,
25.2068

■ 20.4162, 20.2602,
25.7563

Harmonies

Analogous

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



4.6447, 3.4986, 36.4858



7.7665, 3.4986, 23.1876



10.0993, 3.4986, 8.5002

Triad

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



7.7665, 3.4986, 23.1876



4.7057, 3.4986, 0.0000



0.5142, 3.4986, 8.2646

Complementary

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



7.7665, 3.4986, 23.1876



10.1852, 18.1122, 2.9592

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.



0.5194, 3.4986, 1.2692



7.7665, 3.4986, 23.1876



2.2830, 3.4986, 0.0000

Square

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



7.7665, 3.4986, 23.1876



7.8293, 3.4986, 0.0000



1.0146, 3.4986, 0.0000



0.9986, 3.4986, 22.8495

Rectangle

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



7.7665, 3.4986, 23.1876



10.4150, 3.4986, 2.8240



1.0146, 3.4986, 0.0000



0.4598, 3.4986, 5.0009

Sweetspot

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



7.7667, 3.4987, 23.1877



28.4212, 24.2919, 44.2392



5.6924, 4.3876, 23.4686



6.2950, 5.2165, 10.1814



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



7.7667, 3.4987, 23.1877



13.7247, 6.1707, 41.5160



13.4736, 6.5437, 18.8033



4.6824, 4.6724, 5.8558



7.1771, 3.2341, 21.3827



0.0331, 0.0155, 0.0745

Inverse Universe

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



10.6575, 5.4172, 3.9737



19.0106, 9.6713, 6.7217



8.7399, 17.3584, 3.2878



4.7440, 4.7173, 5.2644



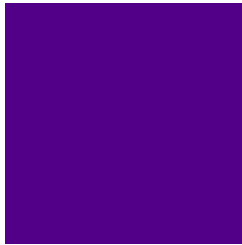
9.8338, 4.9979, 3.6973



0.0375, 0.0187, 0.0309

Previews

White Background



This preview shows how the XYZ color 7.7665, 3.4986, 23.1876 looks on a white background.

Color Contrast Check

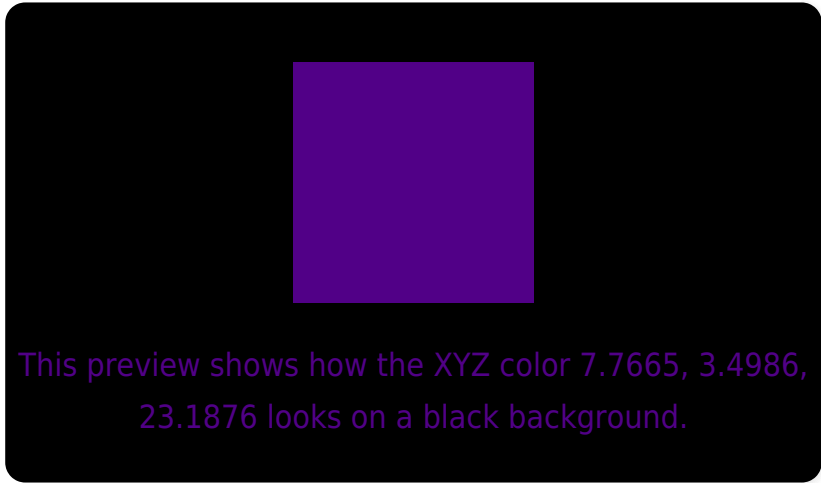
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.7665, 3.4986, 23.1876

Background



This preview shows how black text looks on a background with the XYZ color 7.7665, 3.4986, 23.1876.



This preview shows how white text looks on a background with the XYZ color 7.7665, 3.4986, 23.1876.

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

7.7665, 3.4986, 23.1876

Protanopia

4.3564, 3.8532, 16.4337

Deuteranopia

3.7177, 3.9080, 12.1136



Tritanopia

4.1260, 3.9316, 4.4123

Trichromacy



Original Color

7.7665, 3.4986, 23.1876

Protanomaly

4.5916, 2.8104, 18.7128

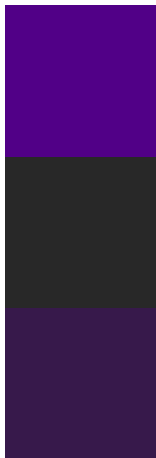
Deuteranomaly

4.0375, 2.7320, 15.3535

Tritanomaly

4.7375, 3.1020, 8.9434

Monochromacy



Original Color

7.7665, 3.4986, 23.1876

Achromatopsia

2.0169, 2.1219, 2.3108

Achromatomaly

3.1932, 2.0155, 6.8773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7665, 3.4986, 23.1876 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(81, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(81, 0, 135)  
}
```

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(81, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 0, 135) }
```

Border

The CSS property to change the border of an element to XYZ 7.7665, 3.4986, 23.1876 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(81, 0, 135) }
```


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

```
.border{ border-color:rgb(81, 0, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 0, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(81, 0, 135)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.7665, 3.4986, 23.1876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 0, 135) }
```

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

```
.background{ background-color: rgb(81, 0,  
135) }
```

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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