

Converting Colors

XYZ(9.9031, 3.8268, 35.0224)

Have a look what the booklet for
XYZ(9.9031, 3.8268, 35.0224)
contains.

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Color

**XYZ(10.1781, 4.4833,
34.9793)**

Conversions

Conversions Part 1

Format	Color
Hex	5300A3
RGB	83, 0, 163
RGB Percent	33%, 0%, 64%
CMY	0.6745, 1.0000, 0.3608
CMYK	0.49, 1.00, 0.00, 0.36
HSL	271°, 100%, 32%
HSV	271°, 100%, 64%
XYZ	10.1781, 4.4833, 34.9793
YIQ	43.3990, -2.8550, 68.2890

Conversions

Conversions Part 2

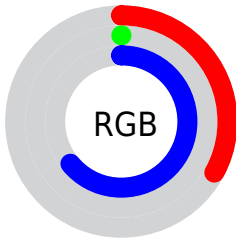
Format	Color
R_{YB}	83, 0, 163
Decimal	5439651
CIE _{Lab}	25.21, 59.81, -65.93
CIE _{LCh}	25, 89.016, 312.215
Yxy	4.4833, 0.2050, 0.0903
Android (android.graphics.Color)	4283629731 (0xFF5300A3)
YUV	43.3990, 58.9633, 34.7301
Hunter-Lab	21.1738, 48.7495, -83.1259

Details

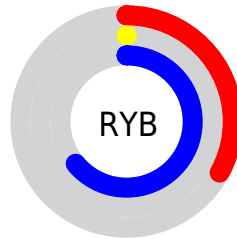
The XYZ color **10.1781, 4.4833, 34.9793** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **16.4053, 27.8999, 4.5206**, and the grayscale version is **2.2799, 2.3986, 2.6121**.

A 20% lighter version of the original color is **25.7189, 14.6736, 68.4946**, and **2.9525, 1.1969, 14.8273** is the 20% darker color. If you saturate the color by 10%, you get **10.1785, 4.4835, 34.9794**, and if you desaturate by 10%, it is **11.1153, 5.2482, 35.0777**.

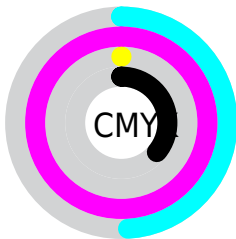
Distribution



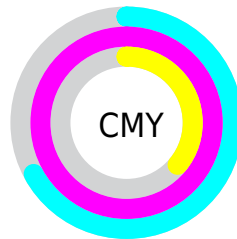
- Red (33%)
- Green (0%)
- Blue (64%)



- Red (33%)
- Yellow (0%)
- Blue (64%)



- Cyan (49%)
- Magenta (100%)
- Yellow (0%)
- Black (36%)



- Cyan (67%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1781, 4.4833, 34.9793 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 10.1781, 4.4833, 34.9793 by changing the saturation by 10% instead.

■ 10.1781, 4.4833,
34.9793

■ 10.1781, 4.4833,
34.9793

185.9657,
144.7157, 339.3784

■ 5.5804, 1.9474,
23.3635

■ 25.7766, 14.6916,
68.6049

■ 2.6299, 0.5767,
14.6543

■ 37.5081, 23.1328,
91.4518

■ 0.9612, 0.0000,
8.4332

■ 52.3482, 34.3112,
118.8795

■ 0.0000, 0.0000,
4.2817

■ 70.6623, 48.6113,
151.3065

■ 0.0000, 0.0000,
1.7811

■ 92.8157, 66.4174,
189.1513


■ 0.0000, 0.0000,
0.4154


■ 119.1739, 88.1139,


■ 0.0000, 0.0000,

232.8326


0.0000

 150.1021,
114.0852, 282.7688

 10.1781, 4.4833,
34.9793

 10.1781, 4.4833,
34.9793


 10.1785, 4.4835,
34.9794

 11.1153, 5.2482,
35.0777

 12.2896, 6.3628,
35.2309

 13.7687, 7.9586,
35.4610

 15.5832, 10.0930,
35.7773

 17.7593, 12.8149,
36.1880

■ 20.3202, 16.1678,
36.7002

■ 23.2872, 20.1907,
37.3203

■ 26.6797, 24.9195,
38.0543

■ 30.5158, 30.3873,
38.9075

Harmonies

Analogous

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



5.7656, 4.4833, 53.7345



10.1781, 4.4833, 34.9793



13.7357, 4.4833, 12.9038

Triad

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



10.1781, 4.4833, 34.9793



6.5328, 4.4833, 0.0000



0.5287, 4.4833, 9.8838

Complementary

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



10.1781, 4.4833, 34.9793



16.4053, 27.8999, 4.5206

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.



0.5834, 4.4833, 1.1484



10.1781, 4.4833, 34.9793



3.0444, 4.4833, 0.0000

Square

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



10.1781, 4.4833, 34.9793



10.9850, 4.4833, 0.0000



1.2434, 4.4833, 0.0000



1.0596, 4.4833, 30.5001

Rectangle

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



10.1781, 4.4833, 34.9793



14.4039, 4.4833, 4.2061



1.2434, 4.4833, 0.0000



0.4812, 4.4833, 5.6257

Sweetspot

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



10.1785, 4.4835, 34.9794



41.3900, 35.7263, 66.7705



9.5906, 8.6038, 35.8057



8.8006, 7.3474, 14.8919



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



10.1785, 4.4835, 34.9794



17.9968, 7.9100, 62.6344



21.7152, 10.4309, 35.5194



7.0282, 7.0289, 8.8894



7.9631, 3.5116, 27.1879



0.2217, 0.1018, 0.5738

Inverse Universe

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



16.5522, 8.3657, 8.3312



29.5428, 14.9420, 14.3900



13.0973, 26.1945, 4.3658



7.2119, 7.1412, 8.1021



12.8869, 6.5108, 6.5952



0.2947, 0.1464, 0.2643

Previews

White Background



This preview shows how the XYZ color 10.1781, 4.4833, 34.9793 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

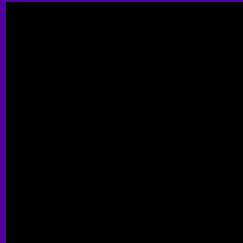
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.1781, 4.4833, 34.9793

Background



This preview shows how black text looks on a background with the XYZ color 10.1781, 4.4833, 34.9793.



This preview shows how white text looks on a background with the XYZ color 10.1781, 4.4833,

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

10.1781, 4.4833, 34.9793

Protanopia

5.4995, 4.8698, 20.7288

Deuteranopia

4.6506, 4.8847, 15.1657



Tritanopia

4.5390, 4.8545, 6.3280

Trichromacy



Original Color

10.1781, 4.4833, 34.9793

Protanomaly

5.9946, 3.6205, 25.1938

Deuteranomaly

5.2908, 3.4469, 21.1553

Tritanomaly

5.4537, 3.6551, 13.2500

Monochromacy



Original Color

10.1781, 4.4833, 34.9793

Achromatopsia

2.2962, 2.4158, 2.6308

Achromatomaly

3.8572, 2.3715, 9.2713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1781, 4.4833, 34.9793 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(83, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 163)  
}
```

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(83, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 10.1781, 4.4833, 34.9793 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(83, 0, 163) }
```


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

```
.border{ border-color:rgb(83, 0, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 0, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(83, 0, 163)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.1781, 4.4833, 34.9793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 163) }
```

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

```
.background{ background-color: rgb(83, 0,  
163) }
```

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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