

Converting Colors

XYZ(9.9632, 4.4474, 31.5864)

Have a look what the booklet for
XYZ(9.9632, 4.4474, 31.5864)
contains.

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Color

**XYZ(10.0253, 4.4750,
31.7879)**

Conversions

Conversions Part 1

Format	Color
Hex	58009C
RGB	88, 0, 156
RGB Percent	35%, 0%, 61%
CMY	0.6549, 1.0000, 0.3882
CMYK	0.44, 1.00, 0.00, 0.39
HSL	274°, 100%, 31%
HSV	274°, 100%, 61%
XYZ	10.0253, 4.4750, 31.7879
YIQ	44.0960, 2.3720, 67.1720

Conversions

Conversions Part 2

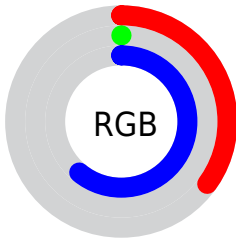
Format	Color
RYB	88, 0, 156
Decimal	5767324
CIELab	25.18, 58.73, -61.67
CIElCh	25, 85.160, 313.599
Yxy	4.4750, 0.2166, 0.0967
Android (android.graphics.Color)	4283957404 (0xFF58009C)
YUV	44.0960, 55.1687, 38.5038
Hunter-Lab	21.1542, 47.5741, -74.2857

Details

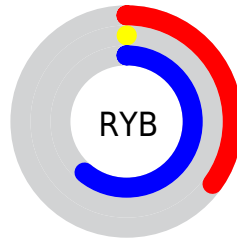
The XYZ color **10.0253, 4.4750, 31.7879** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **14.2722, 25.0059, 4.0744**, and the grayscale version is **2.3508, 2.4732, 2.6933**.

A 20% lighter version of the original color is **25.5089, 14.6696, 63.7744**, and **2.8742, 1.1989, 12.9119** is the 20% darker color. If you saturate the color by 10%, you get **10.0256, 4.4752, 31.7880**, and if you desaturate by 10%, it is **10.8791, 5.1815, 31.8794**.

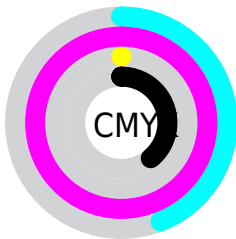
Distribution



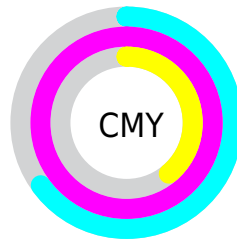
- Red (35%)
- Green (0%)
- Blue (61%)



- Red (35%)
- Yellow (0%)
- Blue (61%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)



- Cyan (65%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0253, 4.4750, 31.7879 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 10.0253, 4.4750, 31.7879 by changing the saturation by 10% instead.

10.0253, 4.4750,
31.7879

10.0253, 4.4750,
31.7879

184.9024,
144.6315, 324.6148

5.4781, 1.9427,
20.9361

25.4923, 14.6733,
63.5725

2.5680, 0.5738,
12.8865

37.1429, 23.1080,
85.3423

0.9297, 0.0000,
7.2206

51.8920, 34.2790,
111.5885

0.0000, 0.0000,
3.5199

70.1049, 48.5706,
142.7297

0.0000, 0.0000,
1.3659

92.1470, 66.3673,
179.1844

0.0000, 0.0000,
0.1149


118.3838, 88.0534,

0.0000, 0.0000,

221.3711

0.0000


 149.1804,
114.0133, 269.7084

 10.0253, 4.4750,
31.7879

 10.0253, 4.4750,
31.7879


 10.0256, 4.4752,
31.7880

 10.8791, 5.1815,
31.8794

 11.9306, 6.1924,
32.0191

 13.2428, 7.6308,
32.2276

 14.8421, 9.5478,
32.5133

 16.7515, 11.9868,
32.8834

■ 18.9912, 14.9864,
33.3444

■ 21.5795, 18.5813,
33.9018

■ 24.5334, 22.8033,
34.5611

■ 27.8685, 27.6821,
35.3270

Harmonies

Analogous

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



5.8611, 4.4750, 49.4945



10.0253, 4.4750, 31.7879



13.2428, 4.4750, 11.6882

Triad

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



10.0253, 4.4750, 31.7879



6.2265, 4.4750, 0.0000



0.6293, 4.4750, 10.2662

Complementary

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



10.0253, 4.4750, 31.7879



14.2722, 25.0059, 4.0744

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.



0.6556, 4.4750, 1.4095



10.0253, 4.4750, 31.7879



2.9703, 4.4750, 0.0000

Square

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



10.0253, 4.4750, 31.7879



10.4049, 4.4750, 0.0000



1.2745, 4.4750, 0.0000



1.1821, 4.4750, 29.7180

Rectangle

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



10.0253, 4.4750, 31.7879



13.7547, 4.4750, 3.8528



1.2745, 4.4750, 0.0000



0.5751, 4.4750, 6.0579

Sweetspot

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



10.0256, 4.4752, 31.7880



38.8970, 33.3298, 61.5099



8.2035, 6.8057, 32.3339



8.1419, 6.7503, 13.4442



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



10.0256, 4.4752, 31.7880



17.9800, 8.0100, 57.7252



19.0715, 9.2124, 28.8732



6.6247, 6.6105, 8.3335



8.2983, 3.7069, 26.1854



0.1964, 0.0910, 0.4705

Inverse Universe

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



14.7537, 7.4853, 6.1355



26.7016, 13.5573, 10.6428



11.9313, 23.7941, 4.1879



6.7471, 6.6918, 7.5194



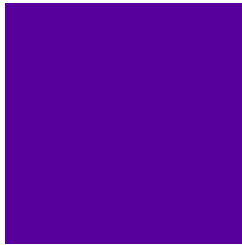
12.1693, 6.1723, 5.1424



0.2385, 0.1187, 0.2018

Previews

White Background



This preview shows how the XYZ color 10.0253, 4.4750, 31.7879 looks on a white background.

Color Contrast Check

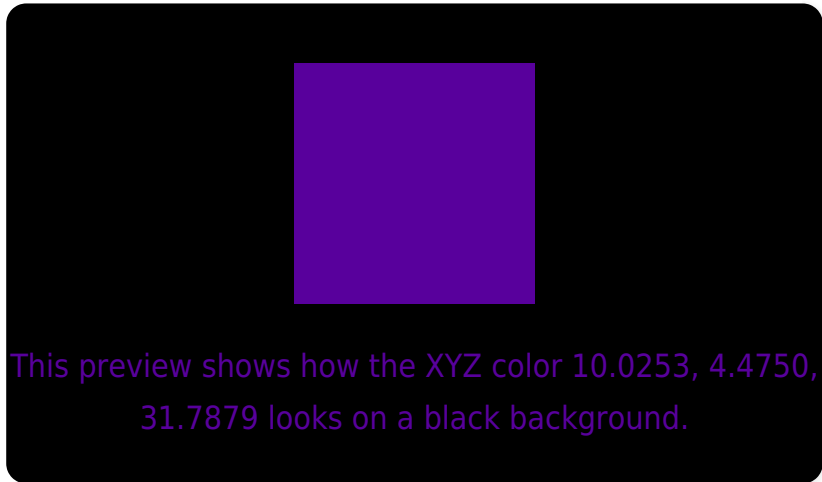
Large Text (above 18pt) WCAG AA ✓ Pass

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

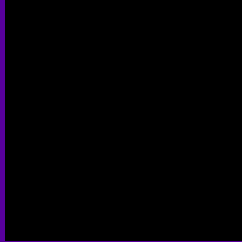
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0253, 4.4750, 31.7879

Background



This preview shows how black text looks on a background with the XYZ color 10.0253, 4.4750, 31.7879.



This preview shows how white text looks on a background with the XYZ color 10.0253, 4.4750,

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

10.0253, 4.4750, 31.7879

Protanopia

5.5650, 4.8960, 21.0738

Deuteranopia

4.6506, 4.8847, 15.1657



Tritanopia

4.9669, 4.9241, 5.8429

Trichromacy



Original Color

10.0253, 4.4750, 31.7879

Protanomaly

5.9086, 3.5931, 24.4269

Deuteranomaly

5.1545, 3.3993, 20.1231

Tritanomaly

5.8793, 3.8477, 12.2372

Monochromacy



Original Color

10.0253, 4.4750, 31.7879

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

3.9184, 2.4470, 8.8601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0253, 4.4750, 31.7879 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(88, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(88, 0, 156)  
}
```

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(88, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 156) }
```

Border

The CSS property to change the border of an element to XYZ 10.0253, 4.4750, 31.7879 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(88, 0, 156) }
```


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

```
.border{ border-color:rgb(88, 0, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 0, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(88, 0, 156)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.0253, 4.4750, 31.7879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 0, 156) }
```

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

```
.background{ background-color: rgb(88, 0,  
156) }
```

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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