

Converting Colors

XYZ(9.8526, 10.5055, 31.6455)

Have a look what the booklet for
XYZ(9.8526, 10.5055, 31.6455)
contains.

XYZ(9.8420, 10.4843, 31.6419)	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(9.8420, 10.4843,
31.6419)**

Conversions

Conversions Part 1

Format	Color
Hex	005F99
RGB	0, 95, 153
RGB Percent	0%, 37%, 60%
CMY	0.9999, 0.6274, 0.4000
CMYK	1.00, 0.38, 0.00, 0.40
HSL	203°, 100%, 30%
HSV	203°, 100%, 60%
XYZ	9.8420, 10.4843, 31.6419
YIQ	73.2070, -75.2380, -2.1020

Conversions

Conversions Part 2

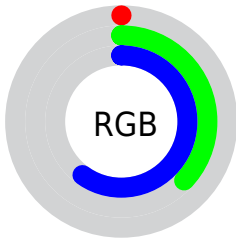
Format	Color
R_{YB}	0, 59, 153
Decimal	24473
CIE _{Lab}	38.70, -0.97, -38.17
CIE _{LCh}	39, 38.180, 268.538
Yxy	10.4843, 0.1894, 0.2017
Android (android.graphics.Color)	4278214553 (0xFF005F99)
YUV	73.2070, 39.3379, -64.2025
Hunter-Lab	32.3795, -2.4076, -35.2738

Details

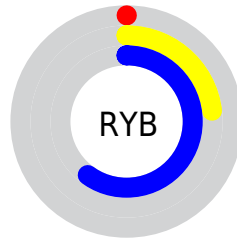
The XYZ color **9.8420, 10.4843, 31.6419** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.6516, 9.8014, 1.1205**, and the grayscale version is **6.3134, 6.6422, 7.2334**.

A 20% lighter version of the original color is **25.1667, 26.6897, 63.4997**, and **3.4896, 3.2208, 12.7497** is the 20% darker color. If you saturate the color by 10%, you get **9.8411, 10.4825, 31.6418**, and if you desaturate by 10%, it is **10.5866, 11.6731, 31.8324**.

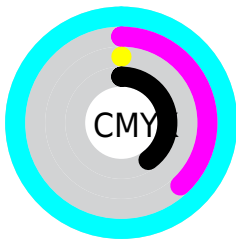
Distribution



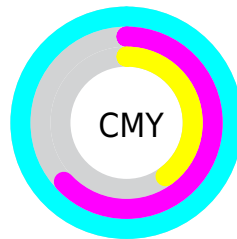
- Red (0%)
- Green (37%)
- Blue (60%)



- Red (0%)
- Yellow (23%)
- Blue (60%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (63%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8420, 10.4843, 31.6419 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 9.8420, 10.4843, 31.6419 by changing the saturation by 10% instead.

■ 9.8420, 10.4843,
31.6419

■ 9.8420, 10.4843,
31.6419

■ 183.6179,
194.0945, 323.9271

■ 5.3558, 5.7212,
20.8256

■ 25.1503, 26.7025,
63.3406

■ 2.4944, 2.6763,
12.8066

■ 36.7030, 38.9265,
85.0602

■ 0.8924, 0.9652,
7.1663

■ 51.3420, 54.4061,
111.2511

■ 0.0000, 0.0000,
3.4863

■ 69.4326, 73.5260,
142.3321

■ 0.0000, 0.0000,
1.3480

■ 91.3402, 96.6703,
178.7217

■ 0.0000, 0.0000,
0.1006

■ 117.4300,

■ 0.0000, 0.0000,

124.2236, 220.8383

0.0000

148.0675,
156.5702, 269.1006

■ 9.8420, 10.4843,
31.6419

■ 9.8420, 10.4843,
31.6419

■ 9.8411, 10.4825,
31.6418

■ 10.5866, 11.6731,
31.8324

■ 11.5201, 13.0182,
32.0428

■ 12.7121, 14.5568,
32.2769

■ 14.1910, 16.3045,
32.5363

■ 15.9809, 18.2750,
32.8223

■ 18.1033, 20.4804,
33.1362

■ 20.5778, 22.9318,
33.4789

■ 23.4220, 25.6395,
33.8516

■ 26.6527, 28.6130,
34.2553

Harmonies

Analogous

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



7.6458, 10.4843, 27.7961



9.8420, 10.4843, 31.6419



12.4614, 10.4843, 28.4413

Triad

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



9.8420, 10.4843, 31.6419



14.8517, 10.4843, 5.9904



6.3797, 10.4843, 5.6006

Complementary

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



9.8420, 10.4843, 31.6419



14.6516, 9.8014, 1.1205

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.



7.8265, 10.4843, 3.0539



9.8420, 10.4843, 31.6419



12.7114, 10.4843, 3.2031

Square

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



9.8420, 10.4843, 31.6419



15.6303, 10.4843, 11.7730



10.0890, 10.4843, 2.4081



5.8666, 10.4843, 11.0655

Rectangle

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



9.8420, 10.4843, 31.6419



14.0510, 10.4843, 23.2764



10.0890, 10.4843, 2.4081



6.7595, 10.4843, 4.4764

Sweetspot

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



9.8424, 10.4846, 31.6422



36.5626, 40.7866, 59.9175



12.1084, 23.0695, 7.5712



7.6831, 8.6234, 13.1770



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



9.8424, 10.4846, 31.6422



17.4406, 18.4057, 56.6054



6.0079, 2.8155, 30.3640



6.1877, 6.6328, 7.8831



8.1662, 8.7292, 26.1622



0.1570, 0.2003, 0.4028

Inverse Universe

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



15.2029, 7.5992, 11.4921



27.1323, 13.5707, 20.0883



21.4706, 23.4393, 3.3934



6.3619, 6.2839, 7.2857



12.5807, 6.2865, 9.5829



0.2057, 0.1010, 0.2360

Previews

White Background



This preview shows how the XYZ color 9.8420, 10.4843, 31.6419 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 × Fail

Black Background



This preview shows how the XYZ color 9.8420, 10.4843, 31.6419 looks on a black 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

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

XYZ 9.8420, 10.4843, 31.6419

Background



This preview shows how black text looks on a background with the XYZ color 9.8420, 10.4843, 31.6419.



This preview shows how white text looks on a background with the XYZ color 9.8420, 10.4843,

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

9.8420, 10.4843, 31.6419

Protanopia

11.3016, 10.5118, 29.4503

Deuteranopia

10.8322, 10.5917, 32.0453



Tritanopia

7.3605, 10.3901, 15.8049

Trichromacy



Original Color

9.8420, 10.4843, 31.6419

Protanomaly

10.2424, 10.1978, 30.2827

Deuteranomaly

10.2825, 10.4378, 32.0446

Tritanomaly

8.0999, 10.3789, 20.6452

Monochromacy



Original Color

9.8420, 10.4843, 31.6419

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

6.4674, 7.4250, 13.6627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8420, 10.4843, 31.6419 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(0, 95, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 95, 153)  
}
```

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(0, 95, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 95, 153) }
```

Border

The CSS property to change the border of an element to XYZ 9.8420, 10.4843, 31.6419 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(0, 95, 153) }
```


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

```
.border{ border-color:rgb(0, 95, 153) }
```

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

Here you see how a box with a 4 pixel rgb(0, 95, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 95, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 95, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 95, 153)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.8420, 10.4843, 31.6419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 95, 153) }
```

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

```
.background{ background-color: rgb(0, 95,  
153) }
```

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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