

Converting Colors

XYZ(15.2502, 11.8993, 19.5021)

Have a look what the booklet for
XYZ(15.2502, 11.8993, 19.5021)
contains.

XYZ(15.3706, 12.0043, 19.5961)	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(15.3706, 12.0043,
19.5961)**

Conversions

Conversions Part 1

Format	Color
Hex	805279
RGB	128, 82, 121
RGB Percent	50%, 32%, 47%
CMY	0.4980, 0.6784, 0.5255
CMYK	0.00, 0.36, 0.05, 0.50
HSL	309°, 22%, 41%
HSV	309°, 36%, 50%
XYZ	15.3706, 12.0043, 19.5961
YIQ	100.2000, 14.8970, 21.8810

Conversions

Conversions Part 2

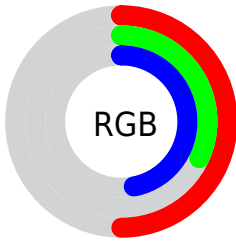
Format	Color
RYB	128, 82, 121
Decimal	8409721
CIELab	41.22, 25.76, -14.26
CIELCh	41, 29.441, 331.033
Yxy	12.0043, 0.3272, 0.2556
Android (android.graphics.Color)	4286599801 (0xFF805279)
YUV	100.2000, 10.2544, 24.3806
Hunter-Lab	34.6472, 18.5556, -9.2807

Details

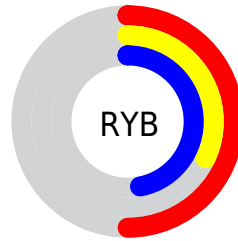
The XYZ color **15.3706, 12.0043, 19.5961** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.0026, 17.9539, 12.2321**, and the grayscale version is **12.1365, 12.7685, 13.9049**.

A 20% lighter version of the original color is **35.0855, 29.4647, 43.3732**, and **4.9126, 3.2896, 6.5069** is the 20% darker color. If you saturate the color by 10%, you get **14.3758, 10.2037, 18.6811**, and if you desaturate by 10%, it is **16.5487, 14.1671, 20.5843**.

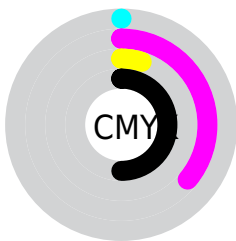
Distribution



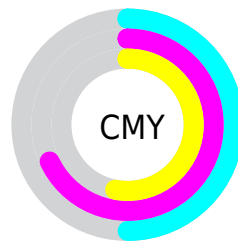
- Red (50%)
- Green (32%)
- Blue (47%)



- Red (50%)
- Yellow (32%)
- Blue (47%)



- Cyan (0%)
- Magenta (36%)
- Yellow (5%)
- Black (50%)



- Cyan (50%)
- Magenta (68%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3706, 12.0043, 19.5961 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 15.3706, 12.0043, 19.5961 by changing the saturation by 10% instead.

■ 15.3706, 12.0043,
19.5961

■ 15.3706, 12.0043,
19.5961

218.9427,
204.4338, 262.2516

■ 9.1679, 6.7466,
11.9206

■ 35.0684, 29.5029,
43.5890

■ 4.9088, 3.3041,
6.5678

■ 49.2941, 42.5127,
60.7435

■ 2.2281, 1.2925,
3.1190

■ 66.9250, 58.8752,
81.8948

■ 0.7575, 0.1354,
1.1557

■ 88.3263, 78.9749,
107.4614

■ 0.0000, 0.0000,
0.0000

■ 113.8633,
103.1963, 137.8618

143.9015,

131.9236, 173.5146

178.8062,
165.5413, 214.8384

■ 15.3706, 12.0043,
19.5961

■ 15.3706, 12.0043,
19.5961

■ 14.3758, 10.2037,
18.6811

■ 16.5487, 14.1671,
20.5843

■ 13.5530, 8.7437,
17.8352

■ 17.9181, 16.7090,
21.6482

■ 12.8917, 7.6026,
17.0549

■ 19.4880, 19.6477,
22.7909

■ 12.3795, 6.7559,
16.3359

■ 21.2663, 22.9996,
24.0152

■ 12.0022, 6.1754,
15.6736

■ 23.2608, 26.7799,
25.3237

■ 11.7358, 5.8131,
15.0598

■ 25.4788, 31.0030,
26.7190

■ 11.6368, 5.6831,
14.8167

■ 27.9271, 35.6828,
28.2033

■ 30.6124, 40.8326,
29.7791

■ 33.5410, 46.4650,
31.4483

Harmonies

Analogous

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



13.6483, 12.0043, 25.8793



15.3706, 12.0043, 19.5961



16.0017, 12.0043, 12.8609

Triad

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



15.3706, 12.0043, 19.5961



11.3362, 12.0043, 4.5148



8.2547, 12.0043, 20.0785

Complementary

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



15.3706, 12.0043, 19.5961



13.0026, 17.9539, 12.2321

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.



7.7928, 12.0043, 13.2827



15.3706, 12.0043, 19.5961



9.4304, 12.0043, 5.3894

Square

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



15.3706, 12.0043, 19.5961



13.5051, 12.0043, 5.2734



8.1954, 12.0043, 8.1832



9.5432, 12.0043, 26.2133

Rectangle

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



15.3706, 12.0043, 19.5961



15.6639, 12.0043, 9.3048



8.1954, 12.0043, 8.1832



8.0053, 12.0043, 17.7361

Sweetspot

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



15.3710, 12.0048, 19.5964



32.7965, 31.7522, 39.0389



11.0244, 9.7127, 21.7160



7.6075, 7.3012, 9.0881



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.3710, 12.0048, 19.5964



25.6271, 18.5339, 33.1944



14.1292, 11.5081, 13.0573



4.4709, 4.4015, 5.2844



11.5389, 5.6353, 14.6937



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.3710, 12.0048, 19.5964



25.6271, 18.5339, 33.1944



14.1184, 18.4002, 18.1080



4.4709, 4.4015, 5.2844



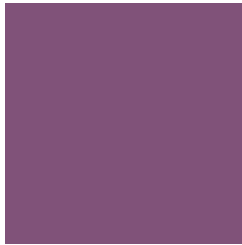
11.5389, 5.6353, 14.6937



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.3706, 12.0043, 19.5961 looks on a white background.

Color Contrast Check

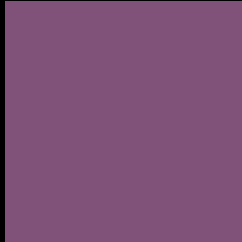
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3706, 12.0043, 19.5961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

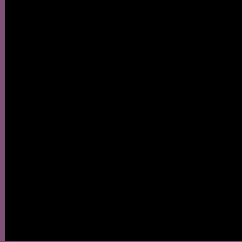
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.3706, 12.0043, 19.5961

Background



This preview shows how black text looks on a background with the XYZ color 15.3706, 12.0043, 19.5961.



This preview shows how white text looks on a background with the XYZ color 15.3706, 12.0043,

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

15.3706, 12.0043, 19.5961

Protanopia

12.3041, 12.0791, 23.1557

Deuteranopia

12.3517, 12.0577, 19.1291



Tritanopia

13.8860, 11.9845, 12.1710

Trichromacy



Original Color

15.3706, 12.0043, 19.5961

Protanomaly

13.1654, 11.8980, 21.6813

Deuteranomaly

13.2307, 11.8565, 19.3605

Tritanomaly

14.3514, 11.9321, 14.6434

Monochromacy



Original Color

15.3706, 12.0043, 19.5961

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.0515, 12.2264, 15.8594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3706, 12.0043, 19.5961 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(128, 82, 121)` looks like.

```
.text, #text, p{  
    color:rgb(128, 82, 121)  
}
```

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(128, 82, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 82, 121) }
```

Border

The CSS property to change the border of an element to XYZ 15.3706, 12.0043, 19.5961 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(128, 82, 121) }
```


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

```
.border{ border-color:rgb(128, 82, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 82, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 82, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 82, 121);  
box-shadow:4px 4px 4px 4px rgb(128, 82,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3706, 12.0043, 19.5961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 82, 121) }
```

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

```
.background{ background-color: rgb(128, 82,  
121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor