

Converting Colors

XYZ(22.3337, 19.5371, 30.9480)

Have a look what the booklet for
XYZ(22.3337, 19.5371, 30.9480)
contains.

XYZ(22.3743, 19.5091, 31.0201)	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(22.3743, 19.5091,
31.0201)**

Conversions

Conversions Part 1

Format	Color
Hex	8E7095
RGB	142, 112, 149
RGB Percent	56%, 44%, 58%
CMY	0.4431, 0.5608, 0.4157
CMYK	0.05, 0.25, 0.00, 0.42
HSL	289°, 15%, 51%
HSV	289°, 25%, 58%
XYZ	22.3743, 19.5091, 31.0201
YIQ	125.1880, 6.0030, 17.8670

Conversions

Conversions Part 2

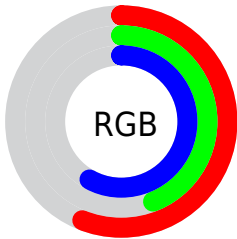
Format	Color
R_{YB}	142, 112, 149
Decimal	9334933
CIE _{Lab}	51.28, 18.74, -15.60
CIE _{LCh}	51, 24.384, 320.211
Yxy	19.5091, 0.3069, 0.2676
Android (android.graphics.Color)	4287525013 (0xFF8E7095)
YUV	125.1880, 11.7393, 14.7441
Hunter-Lab	44.1691, 13.1250, -10.7212

Details

The XYZ color **22.3743, 19.5091, 31.0201** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.2806, 26.5872, 19.3405**, and the grayscale version is **19.5171, 20.5335, 22.3610**.

A 20% lighter version of the original color is **46.8199, 42.5985, 62.2546**, and **8.3524, 6.7728, 12.4223** is the 20% darker color. If you saturate the color by 10%, you get **20.3870, 16.2431, 30.4947**, and if you desaturate by 10%, it is **24.6471, 23.3272, 31.6376**.

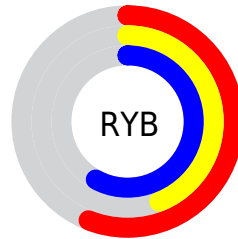
Distribution



Red (56%)

Green (44%)

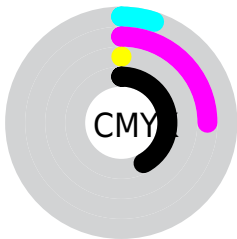
Blue (58%)



Red (56%)

Yellow (44%)

Blue (58%)

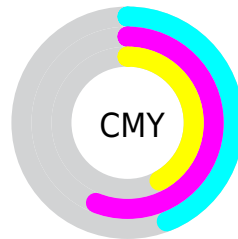


Cyan (5%)

Magenta (25%)

Yellow (0%)

Black (42%)



Cyan (44%)

Magenta (56%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3743, 19.5091, 31.0201 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 22.3743, 19.5091, 31.0201 by changing the saturation by 10% instead.

■ 22.3743, 19.5091,
31.0201

■ 22.3743, 19.5091,
31.0201

257.0906,
249.2450, 320.9850

■ 14.2503, 12.0387,
20.3556

■ 46.8381, 42.5926,
62.3517

■ 8.3778, 6.7701,
12.4671

■ 63.9087, 58.9745,
83.8558

■ 4.3915, 3.3187,
6.9363

■ 84.6921, 79.0957,
109.8101

■ 1.9259, 1.3003,
3.3444

■ 109.5539,
103.3406, 140.6333

■ 0.5918, 0.1414,
1.2731

138.8592,
132.0936, 176.7439

■ 0.0000, 0.0000,
0.0396

172.9736,

■ 0.0000, 0.0000,

165.7391, 218.5603

0.0000

212.2622,
204.6614, 266.5011

■ 22.3743, 19.5091,
31.0201

■ 22.3743, 19.5091,
31.0201

■ 20.3870, 16.2431,
30.4947

■ 24.6471, 23.3272,
31.6376

■ 18.6699, 13.4999,
30.0558

■ 27.2162, 27.7199,
32.3500

■ 17.2091, 11.2513,
29.6987

■ 30.0939, 32.7113,
33.1618

■ 15.9884, 9.4654,
29.4183

■ 33.2913, 38.3237,
34.0766

■ 14.9901, 8.1065,
29.2087

■ 36.8190, 44.5780,
35.0979

14.1935, 7.1336,
29.0629

40.6870, 51.4941,
36.2289

13.5725, 6.4943,
28.9722

44.9050, 59.0912,
37.4730

13.2834, 6.2212,
28.9347

49.4822, 67.3876,
38.8331

54.4274, 76.4009,
40.3122

Harmonies

Analogous

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



20.2062, 19.5091, 36.4563



22.3743, 19.5091, 31.0201



23.5447, 19.5091, 23.6020

Triad

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



22.3743, 19.5091, 31.0201



19.3495, 19.5091, 10.5868



14.4906, 19.5091, 26.2144

Complementary

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



22.3743, 19.5091, 31.0201



21.2806, 26.5872, 19.3405

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.



14.3048, 19.5091, 19.0449



22.3743, 19.5091, 31.0201



16.9733, 19.5091, 10.9877

Square

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



22.3743, 19.5091, 31.0201



21.7002, 19.5091, 12.5216



15.1758, 19.5091, 13.7707



15.7076, 19.5091, 33.2880

Rectangle

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



22.3743, 19.5091, 31.0201



23.5377, 19.5091, 18.9547



15.1758, 19.5091, 13.7707



14.3098, 19.5091, 23.7065

Sweetspot

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



22.3749, 19.5099, 31.0205



47.6283, 47.7298, 57.6237



18.7523, 18.9047, 31.0946



10.5022, 10.4868, 12.7555



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



22.3749, 19.5099, 31.0205



37.9524, 31.4415, 54.9898



22.7694, 19.8109, 26.6312



5.9289, 5.8543, 7.2872



11.2031, 5.2480, 24.3535



0.1594, 0.0757, 0.2991

Inverse Universe

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



21.5191, 19.3107, 20.0470



36.1930, 31.0515, 31.5500



21.0117, 26.3727, 22.7556



5.8430, 5.8323, 6.2793



10.6187, 5.4525, 1.4731



0.1383, 0.0700, 0.0617

Previews

White Background



This preview shows how the XYZ color 22.3743, 19.5091, 31.0201 looks on a white background.

Color Contrast Check

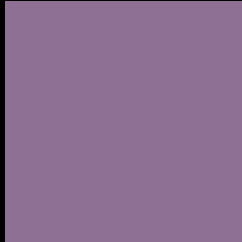
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 22.3743, 19.5091, 31.0201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

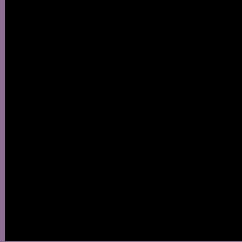
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3743, 19.5091, 31.0201

Background



This preview shows how black text looks on a background with the XYZ color 22.3743, 19.5091, 31.0201.



This preview shows how white text looks on a background with the XYZ color 22.3743, 19.5091,

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

22.3743, 19.5091, 31.0201

Protanopia

19.6932, 19.6187, 33.7592

Deuteranopia

20.0878, 19.7086, 30.7624



Tritanopia

20.5945, 19.4604, 22.0728

Trichromacy



Original Color

22.3743, 19.5091, 31.0201

Protanomaly

20.5404, 19.5419, 32.8264

Deuteranomaly

20.7598, 19.5278, 30.6921

Tritanomaly

21.2490, 19.5581, 25.2094

Monochromacy



Original Color

22.3743, 19.5091, 31.0201

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.3796, 19.9795, 25.3366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3743, 19.5091, 31.0201 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(142, 112, 149)` looks like.

```
.text, #text, p{  
    color:rgb(142, 112, 149)  
}
```

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(142, 112, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 112, 149) }
```

Border

The CSS property to change the border of an element to XYZ 22.3743, 19.5091, 31.0201 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(142, 112, 149) }
```


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

```
.border{ border-color:rgb(142, 112, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 112, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 112, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 112, 149);  
box-shadow:4px 4px 4px 4px rgb(142, 112,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3743, 19.5091, 31.0201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 112, 149) }
```

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

```
.background{ background-color: rgb(142,  
112, 149) }
```

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