

Converting Colors

XYZ(31.4106, 24.2845, 39.5479)

Have a look what the booklet for
XYZ(31.4106, 24.2845, 39.5479)
contains.

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Color

**XYZ(31.3525, 24.2896,
39.5951)**

Conversions

Conversions Part 1

Format	Color
Hex	B272A7
RGB	178, 114, 167
RGB Percent	70%, 45%, 65%
CMY	0.3020, 0.5529, 0.3451
CMYK	0.00, 0.36, 0.06, 0.30
HSL	310°, 29%, 57%
HSV	310°, 36%, 70%
XYZ	31.3525, 24.2896, 39.5951
YIQ	139.1780, 21.1310, 30.0510

Conversions

Conversions Part 2

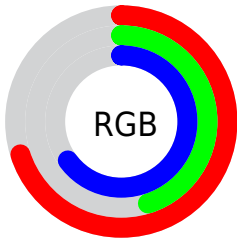
Format	Color
RYB	178, 114, 167
Decimal	11694759
CIELab	56.38, 33.51, -17.97
CIELCh	56, 38.019, 331.797
Yxy	24.2896, 0.3292, 0.2550
Android (android.graphics.Color)	4289884839 (0xFFB272A7)
YUV	139.1780, 13.7162, 34.0469
Hunter-Lab	49.2845, 27.3056, -13.1344

Details

The XYZ color **31.3525, 24.2896, 39.5951** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.5626, 36.8998, 25.1259**, and the grayscale version is **24.5529, 25.8316, 28.1306**.

A 20% lighter version of the original color is **61.2645, 50.5735, 75.6399**, and **13.2401, 9.1897, 17.2956** is the 20% darker color. If you saturate the color by 10%, you get **29.2574, 20.5463, 37.5178**, and if you desaturate by 10%, it is **33.8465, 28.8191, 41.8389**.

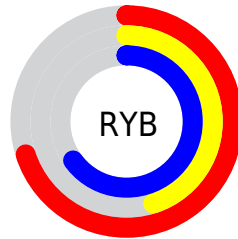
Distribution



Red (70%)

Green (45%)

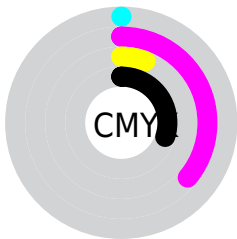
Blue (65%)



Red (70%)

Yellow (45%)

Blue (65%)

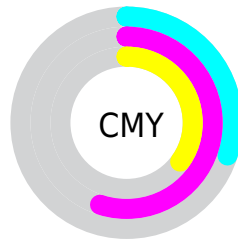


Cyan (0%)

Magenta (36%)

Yellow (6%)

Black (30%)



Cyan (30%)

Magenta (55%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3525, 24.2896, 39.5951 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 31.3525, 24.2896, 39.5951 by changing the saturation by 10% instead.

31.3525, 24.2896,
39.5951

31.3525, 24.2896,
39.5951

299.9570,
274.2813, 359.9152

21.0206, 15.5486,
26.9116

61.1667, 50.5024,
75.7769

13.2516, 9.2053,
17.2750

81.3797, 68.7429,
100.1122

7.6802, 4.8753,
10.2667

105.6170, 90.9188,
129.1687

3.9411, 2.1743,
5.4683

134.2441,
117.4143, 163.3647

1.6689, 0.7059,
2.4610

167.6263,
148.6140, 203.1188

0.4367, 0.0000,
0.8194

206.1289,

0.0000, 0.0000,

184.9021, 248.8495

0.0000

250.1174,
226.6631, 300.9755

■ 31.3525, 24.2896,
39.5951

■ 31.3525, 24.2896,
39.5951

■ 29.2574, 20.5463,
37.5178

■ 33.8465, 28.8191,
41.8389

■ 27.5361, 17.5405,
35.5977

■ 36.7581, 34.1735,
44.2549

■ 26.1642, 15.2229,
33.8266

■ 40.1076, 40.3927,
46.8503

■ 25.1135, 13.5372,
32.1949

■ 43.9131, 47.5130,
49.6314

■ 24.3512, 12.4178,
30.6915

■ 48.1919, 55.5690,
52.6041

■ 23.8349, 11.7800,
29.3019

■ 52.9602, 64.5929,
55.7742

■ 23.6586, 11.5844,
28.7595

■ 58.2336, 74.6159,
59.1469

■ 63.5771, 84.7678,
62.5775

■ 63.9185, 84.9044,
64.3756

Harmonies

Analogous

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



27.8257, 24.2896, 52.7716



31.3525, 24.2896, 39.5951



32.5923, 24.2896, 25.6963

Triad

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



31.3525, 24.2896, 39.5951



22.8228, 24.2896, 8.8968



16.6302, 24.2896, 41.3385

Complementary

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



31.3525, 24.2896, 39.5951



26.5626, 36.8998, 25.1259

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.



15.6361, 24.2896, 27.2126



31.3525, 24.2896, 39.5951



18.9186, 24.2896, 10.7630

Square

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



31.3525, 24.2896, 39.5951



27.3096, 24.2896, 10.3520



16.4184, 24.2896, 16.5892



19.3229, 24.2896, 53.9823

Rectangle

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



31.3525, 24.2896, 39.5951



31.8438, 24.2896, 18.4484



16.4184, 24.2896, 16.5892



16.1028, 24.2896, 36.4770

Sweetspot

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



31.3533, 24.2907, 39.5956



69.4495, 67.1425, 82.4527



22.4631, 19.5851, 44.7165



15.2089, 14.5459, 18.1290



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.3533, 24.2907, 39.5956



53.8354, 38.6407, 68.8425



28.7751, 23.2594, 26.0190



8.7861, 8.6211, 10.3719



16.9481, 8.2968, 20.6847



0.5498, 0.2677, 0.7378

Inverse Universe

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



31.3533, 24.2907, 39.5956



53.8354, 38.6407, 68.8425



28.9182, 37.8420, 37.5303



8.7861, 8.6211, 10.3719



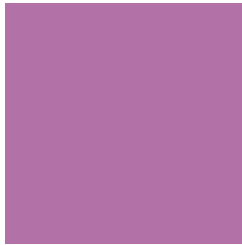
16.9481, 8.2968, 20.6847



0.5498, 0.2677, 0.7378

Previews

White Background



This preview shows how the XYZ color 31.3525, 24.2896, 39.5951 looks on a white background.

Color Contrast Check

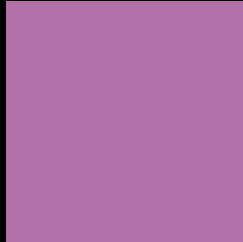
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3525, 24.2896, 39.5951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

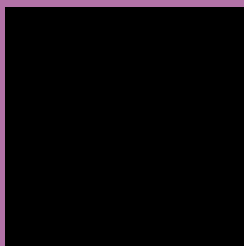
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3525, 24.2896, 39.5951

Background



This preview shows how black text looks on a background with the XYZ color 31.3525, 24.2896, 39.5951.



This preview shows how white text looks on a background with the XYZ color 31.3525, 24.2896,

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

31.3525, 24.2896, 39.5951

Protanopia

24.8916, 24.5240, 47.1377

Deuteranopia

25.0800, 24.6063, 38.5496



Tritanopia

28.1002, 24.1707, 24.3035

Trichromacy



Original Color

31.3525, 24.2896, 39.5951

Protanomaly

26.5812, 24.0641, 44.3182

Deuteranomaly

27.0149, 24.2176, 38.8479

Tritanomaly

29.1156, 24.0540, 29.0949

Monochromacy



Original Color

31.3525, 24.2896, 39.5951

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.5443, 24.9075, 31.8424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3525, 24.2896, 39.5951 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(178, 114, 167)` looks like.

```
.text, #text, p{  
    color:rgb(178, 114, 167)  
}
```

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(178, 114, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 114, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.3525, 24.2896, 39.5951 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(178, 114, 167) }
```


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

```
.border{ border-color:rgb(178, 114, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 114, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 114, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 114, 167);  
box-shadow:4px 4px 4px 4px rgb(178, 114,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3525, 24.2896, 39.5951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 114, 167) }
```

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

```
.background{ background-color: rgb(178,  
114, 167) }
```

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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