

Converting Colors

XYZ(22.8151, 13.4104, 48.1173)

Have a look what the booklet for
XYZ(22.8151, 13.4104, 48.1173)
contains.

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Color

**XYZ(22.6731, 13.3032,
47.8272)**

Conversions

Conversions Part 1

Format	Color
Hex	933FBA
RGB	147, 63, 186
RGB Percent	58%, 25%, 73%
CMY	0.4235, 0.7529, 0.2706
CMYK	0.21, 0.66, 0.00, 0.27
HSL	281°, 49%, 49%
HSV	281°, 66%, 73%
XYZ	22.6731, 13.3032, 47.8272
YIQ	102.1380, 10.5810, 56.0610

Conversions

Conversions Part 2

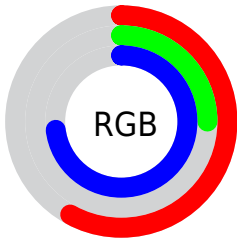
Format	Color
R_{YB}	147, 63, 186
Decimal	9650106
CIE _{Lab}	43.22, 54.85, -49.93
CIE _{LCh}	43, 74.176, 317.686
Yxy	13.3032, 0.2706, 0.1587
Android (android.graphics.Color)	4287840186 (0xFF933FBA)
YUV	102.1380, 41.3440, 39.3440
Hunter-Lab	36.4736, 47.1325, -52.2146

Details

The XYZ color **22.6731, 13.3032, 47.8272** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **23.9358, 38.3017, 10.8344**, and the grayscale version is **12.5593, 13.2133, 14.3893**.

A 20% lighter version of the original color is **47.3249, 31.7992, 88.4376**, and **8.5785, 3.9413, 22.1384** is the 20% darker color. If you saturate the color by 10%, you get **20.7811, 11.0486, 47.4920**, and if you desaturate by 10%, it is **24.9683, 16.2825, 48.2815**.

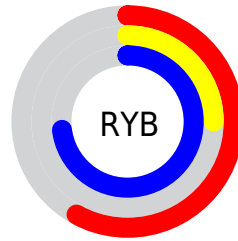
Distribution



Red (58%)

Green (25%)

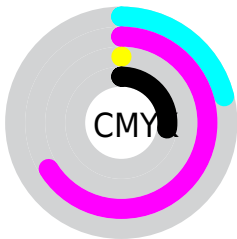
Blue (73%)



Red (58%)

Yellow (25%)

Blue (73%)

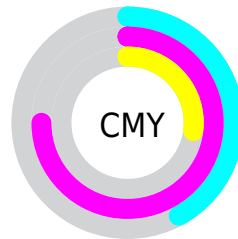


Cyan (21%)

Magenta (66%)

Yellow (0%)

Black (27%)



Cyan (42%)

Magenta (75%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6731, 13.3032, 47.8272 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 22.6731, 13.3032, 47.8272 by changing the saturation by 10% instead.

■ 22.6731, 13.3032,
47.8272

■ 22.6731, 13.3032,
47.8272

258.6083,
212.8518, 394.5957

■ 14.4717, 7.6377,
33.3310

■ 47.3266, 31.8474,
88.3099

■ 8.5333, 3.8640,
22.1070

■ 64.5094, 45.4949,
115.1336

■ 4.4927, 1.5978,
13.7365

■ 85.4167, 62.5718,
146.9035

■ 1.9845, 0.3561,
7.8009

■ 110.4139, 83.4626,
184.0382

■ 0.6252, 0.0000,
3.8819

■ 139.8663,
108.5516, 226.9562

■ 0.0000, 0.0000,
1.5608

174.1392,

■ 0.0000, 0.0000,

138.2232, 276.0761

0.2626

213.5981,
172.8618, 331.8165

■ 0.0000, 0.0000,
0.0000

■ 22.6731, 13.3032,
47.8272

■ 22.6731, 13.3032,
47.8272

■ 20.7811, 11.0486,
47.4920

■ 24.9683, 16.2825,
48.2815

■ 19.2531, 9.4434,
47.2627

■ 27.6975, 20.0486,
48.8646

■ 18.0416, 8.3930,
47.1238

■ 30.8899, 24.6585,
49.5861

■ 17.6194, 8.0593,
47.0816

■ 34.5718, 30.1633,
50.4546

■ 38.7672, 36.6102,
51.4779

■ 43.4986, 44.0429,
52.6632

■ 48.7869, 52.5022,
54.0173

■ 54.6519, 62.0269,
55.5466

■ 61.1125, 72.6534,
57.2572

Harmonies

Analogous

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



16.2977, 13.3032, 70.1868



22.6731, 13.3032, 47.8272



26.7615, 13.3032, 22.3150

Triad

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



22.6731, 13.3032, 47.8272



15.1440, 13.3032, 0.1428



4.7812, 13.3032, 26.3489

Complementary

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



22.6731, 13.3032, 47.8272



23.9358, 38.3017, 10.8344

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.



4.6428, 13.3032, 8.7413



22.6731, 13.3032, 47.8272



9.5823, 13.3032, 0.2686

Square

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



22.6731, 13.3032, 47.8272



21.6117, 13.3032, 1.4355



6.1190, 13.3032, 1.9318



6.5804, 13.3032, 52.6186

Rectangle

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



22.6731, 13.3032, 47.8272



27.0171, 13.3032, 10.6594



6.1190, 13.3032, 1.9318



4.5640, 13.3032, 19.1310

Sweetspot

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



22.6737, 13.3037, 47.8275



66.9552, 61.2332, 92.4917



15.8635, 14.5030, 48.4179



14.2753, 12.7644, 20.2540



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.6737, 13.3037, 47.8275



36.4332, 18.6754, 85.8859



28.8647, 16.7293, 37.5445



9.0965, 9.0161, 11.3403



11.9341, 5.4634, 31.6786



0.4818, 0.2241, 1.1196

Inverse Universe

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



24.4257, 14.9537, 14.1694



40.7818, 22.4379, 17.3800



21.1898, 36.8072, 14.2733



9.1188, 9.0579, 9.9730



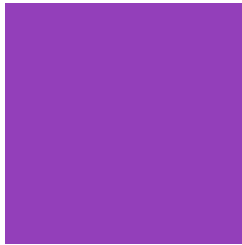
14.1845, 7.2476, 3.5925



0.5290, 0.2671, 0.2791

Previews

White Background



This preview shows how the XYZ color 22.6731, 13.3032, 47.8272 looks on a white background.

Color Contrast Check

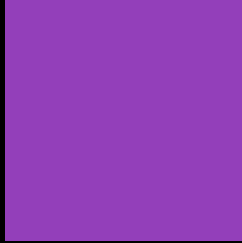
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6731, 13.3032, 47.8272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

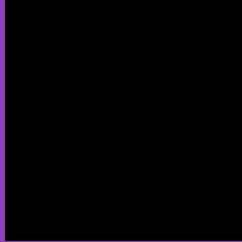
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.6731, 13.3032, 47.8272

Background



This preview shows how black text looks on a background with the XYZ color 22.6731, 13.3032, 47.8272.



This preview shows how white text looks on a background with the XYZ color 22.6731, 13.3032,

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

22.6731, 13.3032, 47.8272

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.9006, 13.5864, 44.0093



Tritanopia

15.5716, 13.3318, 13.0618

Trichromacy



Original Color

22.6731, 13.3032, 47.8272



Protanomaly

15.3386, 11.6295, 56.6946



Deuteranomaly

15.2211, 12.1864, 45.2660



Tritanomaly

17.3861, 12.8731, 22.3373

Monochromacy



Original Color

22.6731, 13.3032, 47.8272



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

15.1946, 12.5245, 23.8069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6731, 13.3032, 47.8272 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(147, 63, 186)` looks like.

```
.text, #text, p{  
    color:rgb(147, 63, 186)  
}
```

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(147, 63, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 63, 186) }
```

Border

The CSS property to change the border of an element to XYZ 22.6731, 13.3032, 47.8272 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(147, 63, 186) }
```


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

```
.border{ border-color:rgb(147, 63, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 63, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 63, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 63, 186);  
box-shadow:4px 4px 4px 4px rgb(147, 63,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6731, 13.3032, 47.8272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 63, 186) }
```

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

```
.background{ background-color: rgb(147, 63,  
186) }
```

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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