

Converting Colors

XYZ(20.7067, 18.2204, 28.4149)

Have a look what the booklet for
XYZ(20.7067, 18.2204, 28.4149)
contains.

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Color

**XYZ(20.7431, 18.2388,
28.4138)**

Conversions

Conversions Part 1

Format	Color
Hex	896D8F
RGB	137, 109, 143
RGB Percent	54%, 43%, 56%
CMY	0.4627, 0.5725, 0.4392
CMYK	0.04, 0.24, 0.00, 0.44
HSL	289°, 13%, 49%
HSV	289°, 24%, 56%
XYZ	20.7431, 18.2388, 28.4138
YIQ	121.2480, 5.7740, 16.5100

Conversions

Conversions Part 2

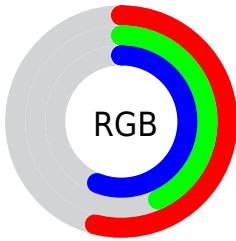
Format	Color
R_{YB}	137, 109, 143
Decimal	9006479
CIE _{Lab}	49.78, 17.48, -14.39
CIE _{LCh}	50, 22.638, 320.547
Yxy	18.2388, 0.3078, 0.2706
Android (android.graphics.Color)	4287196559 (0xFF896D8F)
YUV	121.2480, 10.7237, 13.8145
Hunter-Lab	42.7069, 11.9618, -9.5520

Details

The XYZ color **20.7431, 18.2388, 28.4138** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.6536, 24.3944, 18.1416**, and the grayscale version is **18.2197, 19.1685, 20.8745**.

A 20% lighter version of the original color is **44.3088, 40.5973, 58.3241**, and **7.5750, 6.1540, 11.1445** is the 20% darker color. If you saturate the color by 10%, you get **18.9313, 15.2219, 27.9272**, and if you desaturate by 10%, it is **22.8139, 21.7587, 28.9843**.

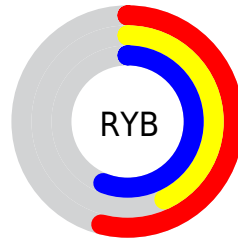
Distribution



Red (54%)

Green (43%)

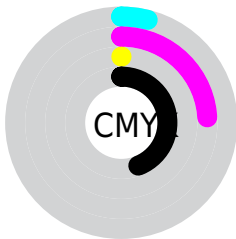
Blue (56%)



Red (54%)

Yellow (43%)

Blue (56%)

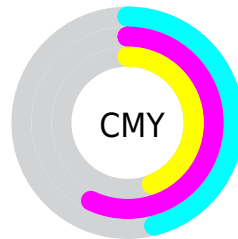


Cyan (4%)

Magenta (24%)

Yellow (0%)

Black (44%)



Cyan (46%)

Magenta (57%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7431, 18.2388, 28.4138 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 20.7431, 18.2388, 28.4138 by changing the saturation by 10% instead.

■ 20.7431, 18.2388,
28.4138

■ 20.7431, 18.2388,
28.4138

248.6677,
242.2136, 308.4129

■ 13.0477, 11.1216,
18.3961

■ 44.1541, 40.4438,
58.1754

■ 7.5387, 6.1487,
11.0623

■ 60.6004, 56.3004,
78.7564

■ 3.8505, 2.9357,
5.9941

■ 80.6945, 75.8389,
103.6956

■ 1.6179, 1.0982,
2.7728

■ 104.8016, 99.4436,
133.4115

■ 0.4040, 0.0000,
0.9798

133.2871,
127.4991, 168.3226

■ 0.0000, 0.0000,
0.0000

166.5164,

160.3897, 208.8475

204.8548,
198.4997, 255.4048

■ 20.7431, 18.2388,
28.4138

■ 20.7431, 18.2388,
28.4138

■ 18.9313, 15.2219,
27.9272

■ 22.8139, 21.7587,
28.9843

■ 17.3648, 12.6815,
27.5195

■ 25.1532, 25.8016,
29.6414

■ 16.0310, 10.5926,
27.1866

■ 27.7723, 30.3892,
30.3889

■ 14.9157, 8.9265,
26.9238

■ 30.6809, 35.5415,
31.2301

■ 14.0030, 7.6515,
26.7258

■ 33.8887, 41.2773,
32.1681

13.2746, 6.7314,
26.5866

37.4047, 47.6146,
33.2060

12.7086, 6.1222,
26.4988

41.2374, 54.5705,
34.3466

12.3973, 5.8183,
26.4565

45.3953, 62.1617,
35.5927

49.8863, 70.4040,
36.9470

Harmonies

Analogous

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



18.8339, 18.2388, 33.2041



20.7431, 18.2388, 28.4138



21.7621, 18.2388, 21.8765

Triad

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



20.7431, 18.2388, 28.4138



18.0263, 18.2388, 10.2872



13.7310, 18.2388, 24.3317

Complementary

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



20.7431, 18.2388, 28.4138



19.6536, 24.3944, 18.1416

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.



13.5539, 18.2388, 17.9694



20.7431, 18.2388, 28.4138



15.9186, 18.2388, 10.6758

Square

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



20.7431, 18.2388, 28.4138



20.1099, 18.2388, 12.0196



14.3230, 18.2388, 13.2207



14.8287, 18.2388, 30.5283

Rectangle

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



20.7431, 18.2388, 28.4138



21.7460, 18.2388, 17.7609



14.3230, 18.2388, 13.2207



13.5656, 18.2388, 22.1161

Sweetspot

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



20.7437, 18.2396, 28.4142



43.5767, 43.6564, 52.6678



17.4227, 17.5500, 28.4561



9.9443, 9.9269, 12.0642



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.7437, 18.2396, 28.4142



35.1985, 29.4022, 50.3581



20.9777, 18.4500, 24.3697



5.5342, 5.4636, 6.7917



10.9771, 5.1525, 23.3931



0.1208, 0.0574, 0.2244

Inverse Universe

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



19.8915, 18.0155, 18.6494



33.4195, 28.9494, 29.2969



19.5058, 24.2470, 21.3480



5.4453, 5.4387, 5.8431



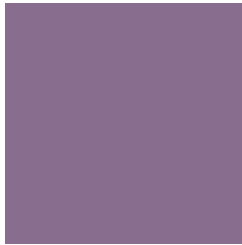
10.1791, 5.2287, 1.3287



0.1032, 0.0523, 0.0434

Previews

White Background



This preview shows how the XYZ color 20.7431, 18.2388, 28.4138 looks on a white background.

Color Contrast Check

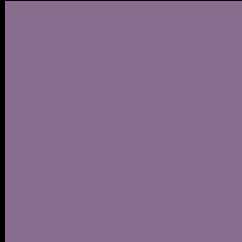
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7431, 18.2388, 28.4138 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 20.7431, 18.2388, 28.4138

Background



This preview shows how black text looks on a background with the XYZ color 20.7431, 18.2388, 28.4138.



This preview shows how white text looks on a background with the XYZ color 20.7431, 18.2388,

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

20.7431, 18.2388, 28.4138

Protanopia

18.3417, 18.2720, 30.9939

Deuteranopia

18.7356, 18.3657, 28.1486



Tritanopia

19.2495, 18.2837, 20.9269

Trichromacy



Original Color

20.7431, 18.2388, 28.4138

Protanomaly

19.0295, 18.1343, 30.1011

Deuteranomaly

19.3918, 18.1989, 28.0819

Tritanomaly

19.8151, 18.3509, 23.6168

Monochromacy



Original Color

20.7431, 18.2388, 28.4138

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.0761, 18.8196, 23.3960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7431, 18.2388, 28.4138 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(137, 109, 143)` looks like.

```
.text, #text, p{  
    color:rgb(137, 109, 143)  
}
```

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(137, 109, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 109, 143) }
```

Border

The CSS property to change the border of an element to XYZ 20.7431, 18.2388, 28.4138 is called "border". The border property can be set on classes, ids or directly on the HTML element.

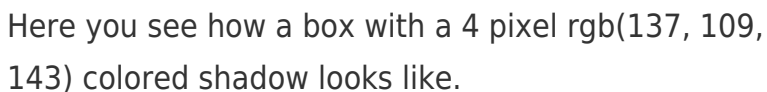
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 109, 143) }
```


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

```
.border{ border-color:rgb(137, 109, 143) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 109, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 109, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 109, 143); box-shadow:4px 4px 4px 4px rgb(137, 109, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7431, 18.2388, 28.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 109, 143) }
```

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

```
.background{ background-color: rgb(137,  
109, 143) }
```

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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