

Converting Colors

XYZ(21.2827, 18.2190, 20.1996)

Have a look what the booklet for
XYZ(21.2827, 18.2190, 20.1996)
contains.

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Color

**XYZ(21.3067, 18.2434,
20.1677)**

Conversions

Conversions Part 1

Format	Color
Hex	976A78
RGB	151, 106, 120
RGB Percent	59%, 42%, 47%
CMY	0.4078, 0.5843, 0.5294
CMYK	0.00, 0.30, 0.21, 0.41
HSL	341°, 18%, 50%
HSV	341°, 30%, 59%
XYZ	21.3067, 18.2434, 20.1677
YIQ	121.0510, 22.3260, 13.8940

Conversions

Conversions Part 2

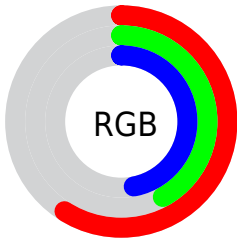
Format	Color
R_{YB}	151, 106, 120
Decimal	9923192
CIE Lab	49.79, 20.16, -0.58
CIE LCh	50, 20.166, 358.365
Yxy	18.2434, 0.3568, 0.3055
Android (android.graphics.Color)	4288113272 (0xFF976A78)
YUV	121.0510, -0.5181, 26.2653
Hunter-Lab	42.7123, 14.2968, 1.9033

Details

The XYZ color **21.3067, 18.2434, 20.1677** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.5266, 27.0040, 27.7458**, and the grayscale version is **18.1874, 19.1346, 20.8375**.

A 20% lighter version of the original color is **45.1269, 40.5541, 44.4790**, and **7.8283, 6.1466, 6.9047** is the 20% darker color. If you saturate the color by 10%, you get **19.2881, 15.1621, 16.5474**, and if you desaturate by 10%, it is **23.6690, 21.9019, 24.2415**.

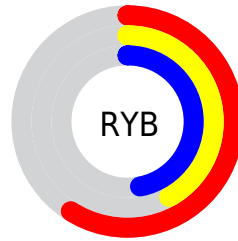
Distribution



Red (59%)

Green (42%)

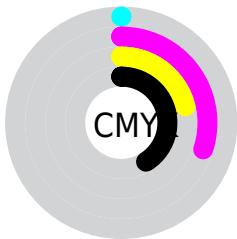
Blue (47%)



Red (59%)

Yellow (42%)

Blue (47%)

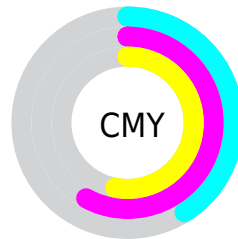


Cyan (0%)

Magenta (30%)

Yellow (21%)

Black (41%)



Cyan (41%)

Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3067, 18.2434, 20.1677 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 21.3067, 18.2434, 20.1677 by changing the saturation by 10% instead.

■ 21.3067, 18.2434,
20.1677

■ 21.3067, 18.2434,
20.1677

251.6050,
242.2394, 265.4557

■ 13.4621, 11.1249,
12.3317

■ 45.0849, 40.4516,
44.5608

■ 7.8267, 6.1509,
6.8447

■ 61.7491, 56.3101,
61.9551

■ 4.0351, 2.9370,
3.2882

■ 82.0840, 75.8508,
83.3724

■ 1.7220, 1.0990,
1.2436

■ 106.4549, 99.4579,
109.2315

■ 0.4700, 0.0000,
0.0149

135.2270,
127.5159, 139.9509

■ 0.0000, 0.0000,
0.0000

168.7658,

160.4093, 175.9490

207.4367,
198.5223, 217.6444

■ 21.3067, 18.2434,
20.1677

■ 21.3067, 18.2434,
20.1677

■ 19.2881, 15.1621,
16.5474

■ 23.6690, 21.9019,
24.2415

■ 17.5950, 12.6258,
13.3631

■ 26.3888, 26.1624,
28.7829

■ 16.2100, 10.6031,
10.5978


■ 29.4811, 31.0516,
33.8071


■ 15.1133, 9.0582,
8.2330


■ 32.9595, 36.5937,
39.3281


■ 14.2827, 7.9508,
6.2486


■ 36.8369, 42.8115,
45.3592


 13.6923, 7.2338,
4.6223


 41.1258, 49.7269,
51.9134

 13.2826, 6.7926,
3.3196

 45.8378, 57.3607,
59.0031

 13.2751, 6.7844,
3.2962

 50.9842, 65.7328,
66.6402

 56.5761, 74.8625,
74.8364

Harmonies

Analogous

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



20.6840, 18.2434, 25.9551



21.3067, 18.2434, 20.1677



20.8029, 18.2434, 15.2437

Triad

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



21.3067, 18.2434, 20.1677



15.6410, 18.2434, 11.9238



15.4710, 18.2434, 30.3186

Complementary

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



21.3067, 18.2434, 20.1677



21.5266, 27.0040, 27.7458

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.



14.2841, 18.2434, 25.3345



21.3067, 18.2434, 20.1677



14.3770, 18.2434, 14.8092

Square

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



21.3067, 18.2434, 20.1677



17.4455, 18.2434, 11.0443



13.8986, 18.2434, 19.5633



17.2345, 18.2434, 32.4477

Rectangle

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



21.3067, 18.2434, 20.1677



19.9155, 18.2434, 12.9512



13.8986, 18.2434, 19.5633



14.9964, 18.2434, 28.8811

Sweetspot

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



21.3072, 18.2442, 20.1681



47.5820, 47.3623, 52.0780



21.0162, 17.8406, 31.6143



10.6547, 10.5128, 11.5730



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.3072, 18.2442, 20.1681



35.5919, 28.7458, 31.5456



21.4102, 19.7118, 16.3130



6.2840, 6.2528, 6.8757



11.3051, 5.7763, 2.8655



0.1840, 0.0924, 0.1220

Inverse Universe

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



21.3072, 18.2442, 20.1681



35.5919, 28.7458, 31.5456



21.3154, 24.8690, 32.9551



6.2840, 6.2528, 6.8757



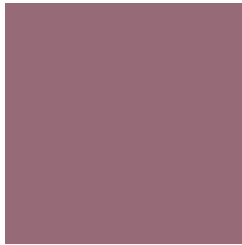
11.3051, 5.7763, 2.8655



0.1840, 0.0924, 0.1220

Previews

White Background



This preview shows how the XYZ color 21.3067, 18.2434, 20.1677 looks on a white background.

Color Contrast Check

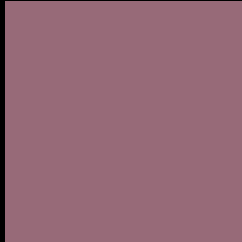
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3067, 18.2434, 20.1677 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 21.3067, 18.2434, 20.1677

Background



This preview shows how black text looks on a background with the XYZ color 21.3067, 18.2434, 20.1677.



This preview shows how white text looks on a background with the XYZ color 21.3067, 18.2434,

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

21.3067, 18.2434, 20.1677

Protanopia

17.7804, 18.3407, 22.6817

Deuteranopia

18.6067, 18.3153, 19.6941



Tritanopia

20.9299, 18.2372, 18.6367

Trichromacy



Original Color

21.3067, 18.2434, 20.1677

Protanomaly

18.8613, 18.2357, 21.5945

Deuteranomaly

19.6052, 18.3235, 19.9563

Tritanomaly

21.0463, 18.2838, 19.2495

Monochromacy



Original Color

21.3067, 18.2434, 20.1677

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.2123, 18.7768, 20.7008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3067, 18.2434, 20.1677 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(151, 106, 120)` looks like.

```
.text, #text, p{  
    color:rgb(151, 106, 120)  
}
```

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(151, 106, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 106, 120) }
```

Border

The CSS property to change the border of an element to XYZ 21.3067, 18.2434, 20.1677 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(151, 106, 120) }
```


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

```
.border{ border-color:rgb(151, 106, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 106, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 106, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 106, 120);  
box-shadow:4px 4px 4px 4px rgb(151, 106,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3067, 18.2434, 20.1677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 106, 120) }
```

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

```
.background{ background-color: rgb(151,  
106, 120) }
```

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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