

Converting Colors

XYZ(21.2046, 17.2604, 20.4761)

Have a look what the booklet for
XYZ(21.2046, 17.2604, 20.4761)
contains.

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Color

**XYZ(21.2069, 17.2918,
20.6323)**

Conversions

Conversions Part 1

Format	Color
Hex	99647A
RGB	153, 100, 122
RGB Percent	60%, 39%, 48%
CMY	0.4000, 0.6078, 0.5216
CMYK	0.00, 0.35, 0.20, 0.40
HSL	335°, 21%, 50%
HSV	335°, 35%, 60%
XYZ	21.2069, 17.2918, 20.6323
YIQ	118.3550, 24.5260, 18.0780

Conversions

Conversions Part 2

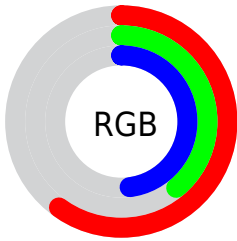
Format	Color
R_{YB}	153, 100, 122
Decimal	10052730
CIE _{Lab}	48.63, 24.70, -3.45
CIE _{LCh}	49, 24.942, 352.046
Yxy	17.2918, 0.3586, 0.2924
Android (android.graphics.Color)	4288242810 (0xFF99647A)
YUV	118.3550, 1.7970, 30.3837
Hunter-Lab	41.5834, 18.2613, -0.3093

Details

The XYZ color **21.2069, 17.2918, 20.6323** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.7442, 27.1309, 25.6175**, and the grayscale version is **17.3208, 18.2228, 19.8447**.

A 20% lighter version of the original color is **44.8806, 38.9224, 45.1917**, and **7.7974, 5.7037, 6.9933** is the 20% darker color. If you saturate the color by 10%, you get **19.3457, 14.4162, 17.4009**, and if you desaturate by 10%, it is **23.3958, 20.7406, 24.2253**.

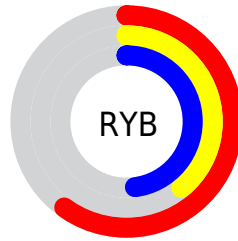
Distribution



Red (60%)

Green (39%)

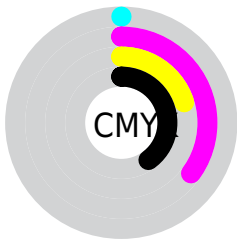
Blue (48%)



Red (60%)

Yellow (39%)

Blue (48%)

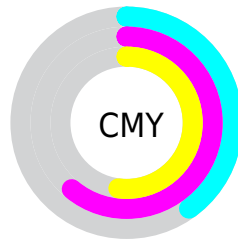


Cyan (0%)

Magenta (35%)

Yellow (20%)

Black (40%)



Cyan (40%)

Magenta (61%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2069, 17.2918, 20.6323 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 21.2069, 17.2918, 20.6323 by changing the saturation by 10% instead.

■ 21.2069, 17.2918,
20.6323

■ 21.2069, 17.2918,
20.6323

251.0870,
236.8484, 268.0344

■ 13.3886, 10.4428,
12.6669

■ 44.9203, 38.8268,
45.3476

■ 7.7756, 5.6935,
7.0715

■ 61.5462, 54.2816,
62.9345

■ 4.0023, 2.6596,
3.4278

■ 81.8386, 73.3737,
84.5657

■ 1.7034, 0.9567,
1.3170

■ 106.1630, 96.4875,
110.6597

■ 0.4584, 0.0000,
0.0756

134.8847,
124.0075, 141.6350

■ 0.0000, 0.0000,
0.0000

168.3690,

156.3181, 177.9102

206.9813,
193.8036, 219.9039

■ 21.2069, 17.2918,
20.6323

■ 21.2069, 17.2918,
20.6323

■ 19.3457, 14.4162,
17.4009

■ 23.3958, 20.7406,
24.2253

■ 17.7939, 12.0800,
14.5176

■ 25.9264, 24.7893,
28.1906

■ 16.5334, 10.2493,
11.9696

■ 28.8139, 29.4657,
32.5396

■ 15.5439, 8.8857,
9.7428

■ 32.0718, 34.7952,
37.2829

■ 14.8019, 7.9447,
7.8214

■ 35.7132, 40.8018,
42.4308

■ 14.2787, 7.3715,
6.1878

■ 39.7503, 47.5083,
47.9929

■ 14.0483, 7.1369,
5.4140

■ 44.1948, 54.9364,
53.9787

■ 49.0582, 63.1069,
60.3974

■ 54.3510, 72.0396,
67.2577

Harmonies

Analogous

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



20.1680, 17.2918, 27.7239



21.2069, 17.2918, 20.6323



20.8764, 17.2918, 14.4696

Triad

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



21.2069, 17.2918, 20.6323



14.8333, 17.2918, 9.3719



13.8668, 17.2918, 30.6607

Complementary

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



21.2069, 17.2918, 20.6323



20.7442, 27.1309, 25.6175

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.



12.6735, 17.2918, 23.9835



21.2069, 17.2918, 20.6323



13.1942, 17.2918, 12.0729

Square

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



21.2069, 17.2918, 20.6323



17.0539, 17.2918, 8.8766



12.4392, 17.2918, 17.1318



15.8319, 17.2918, 34.3312

Rectangle

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



21.2069, 17.2918, 20.6323



19.9367, 17.2918, 11.5660



12.4392, 17.2918, 17.1318



13.3700, 17.2918, 28.6286

Sweetspot

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



21.2074, 17.2926, 20.6327



48.6469, 47.9719, 53.8584



19.6548, 16.2338, 32.2347



10.5974, 10.3593, 11.6741



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.



21.2074, 17.2926, 20.6327



35.2066, 26.6758, 32.1625



20.4301, 17.6780, 14.3930



6.3098, 6.2631, 7.0115



11.6265, 5.9048, 4.5583



0.1913, 0.0953, 0.1603

Inverse Universe

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



21.2074, 17.2926, 20.6327



35.2066, 26.6758, 32.1625



21.6875, 26.3730, 34.0846



6.3098, 6.2631, 7.0115



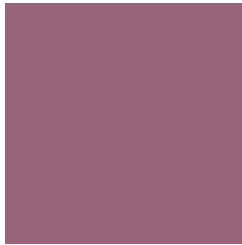
11.6265, 5.9048, 4.5583



0.1913, 0.0953, 0.1603

Previews

White Background



This preview shows how the XYZ color 21.2069, 17.2918, 20.6323 looks on a white background.

Color Contrast Check

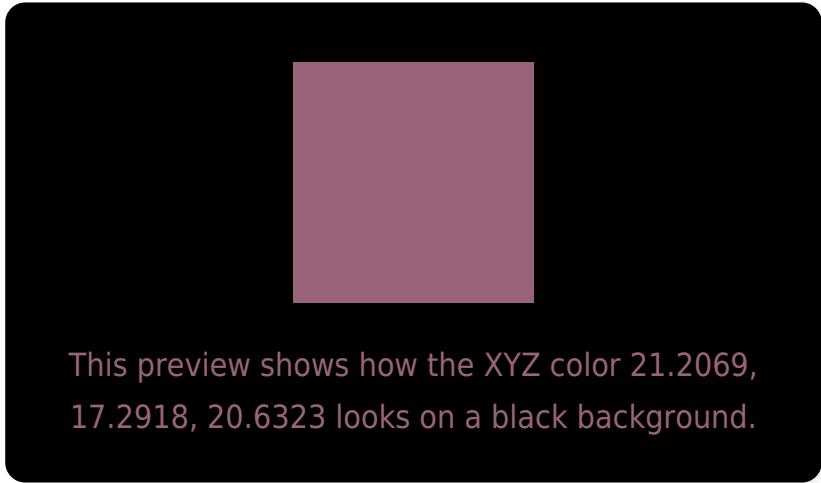
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 21.2069, 17.2918, 20.6323

Background



This preview shows how black text looks on a background with the XYZ color 21.2069, 17.2918, 20.6323.



This preview shows how white text looks on a background with the XYZ color 21.2069, 17.2918,

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

21.2069, 17.2918, 20.6323

Protanopia

17.0375, 17.4109, 23.9354

Deuteranopia

17.6418, 17.3044, 20.1796



Tritanopia

20.5147, 17.3039, 17.0106

Trichromacy



Original Color

21.2069, 17.2918, 20.6323

Protanomaly

18.3743, 17.2996, 22.7928

Deuteranomaly

18.8054, 17.2565, 20.4288

Tritanomaly

20.6398, 17.1977, 18.1512

Monochromacy



Original Color

21.2069, 17.2918, 20.6323

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.3743, 17.5261, 19.8672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2069, 17.2918, 20.6323 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(153, 100, 122)` looks like.

```
.text, #text, p{  
    color:rgb(153, 100, 122)  
}
```

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(153, 100, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 100, 122) }
```

Border

The CSS property to change the border of an element to XYZ 21.2069, 17.2918, 20.6323 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(153, 100, 122) }
```


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

```
.border{ border-color:rgb(153, 100, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 100, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 100, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 100, 122);  
box-shadow:4px 4px 4px 4px rgb(153, 100,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2069, 17.2918, 20.6323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 100, 122) }
```

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

```
.background{ background-color: rgb(153,  
100, 122) }
```

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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