

Converting Colors

XYZ(21.8966, 17.1469, 20.7789)

Have a look what the booklet for
XYZ(21.8966, 17.1469, 20.7789)
contains.

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Color

**XYZ(21.8586, 17.0649,
20.8807)**

Conversions

Conversions Part 1

Format	Color
Hex	9E607B
RGB	158, 96, 123
RGB Percent	62%, 38%, 48%
CMY	0.3804, 0.6235, 0.5176
CMYK	0.00, 0.39, 0.22, 0.38
HSL	334°, 24%, 50%
HSV	334°, 39%, 62%
XYZ	21.8586, 17.0649, 20.8807
YIQ	117.6160, 28.2850, 21.5410

Conversions

Conversions Part 2

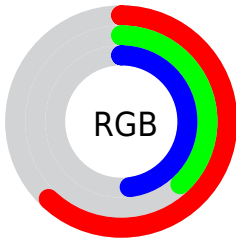
Format	Color
R_{YB}	158, 96, 123
Decimal	10379387
CIE _{Lab}	48.34, 29.00, -4.40
CIE _{LCh}	48, 29.333, 351.372
Yxy	17.0649, 0.3655, 0.2853
Android (android.graphics.Color)	4288569467 (0xFF9E607B)
YUV	117.6160, 2.6543, 35.4168
Hunter-Lab	41.3097, 22.1595, -1.0524

Details

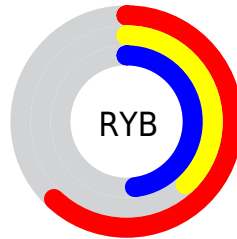
The XYZ color **21.8586, 17.0649, 20.8807** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.1482, 28.5797, 25.8759**, and the grayscale version is **17.0862, 17.9760, 19.5759**.

A 20% lighter version of the original color is **46.0593, 38.5711, 45.5748**, and **8.1187, 5.6116, 7.1338** is the 20% darker color. If you saturate the color by 10%, you get **20.0261, 14.2531, 17.6394**, and if you desaturate by 10%, it is **24.0327, 20.4781, 24.4873**.

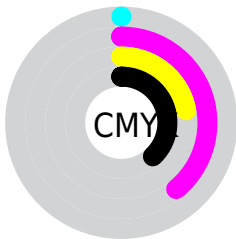
Distribution



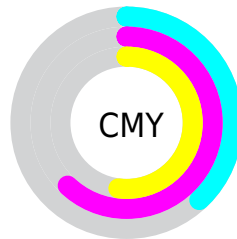
- Red (62%)
- Green (38%)
- Blue (48%)



- Red (62%)
- Yellow (38%)
- Blue (48%)



- Cyan (0%)
- Magenta (39%)
- Yellow (22%)
- Black (38%)



- Cyan (38%)
- Magenta (62%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8586, 17.0649, 20.8807 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 21.8586, 17.0649, 20.8807 by changing the saturation by 10% instead.

■ 21.8586, 17.0649,
20.8807

■ 21.8586, 17.0649,
20.8807

254.4532,
235.5461, 269.4040

■ 13.8691, 10.2808,
12.8464

■ 45.9928, 38.4373,
45.7671

■ 8.1107, 5.5855,
7.1934

■ 62.8681, 53.7944,
63.4563

■ 4.2183, 2.5947,
3.5031

■ 83.4361, 72.7780,
85.2010

■ 1.8264, 0.9240,
1.3569

■ 108.0621, 95.7723,
111.4195

■ 0.5335, 0.0000,
0.1077

137.1115,
123.1619, 142.5306

■ 0.0000, 0.0000,
0.0000

170.9495,

155.3312, 178.9526

209.9417,
192.6644, 221.1043

■ 21.8586, 17.0649,
20.8807

■ 21.8586, 17.0649,
20.8807

■ 20.0261, 14.2531,
17.6394

■ 24.0327, 20.4781,
24.4873

■ 18.5150, 12.0049,
14.7494

■ 26.5641, 24.5228,
28.4704

■ 17.3049, 10.2818,
12.1972

■ 29.4696, 29.2299,
32.8418

■ 16.3725, 9.0394,
9.9677

■ 32.7642, 34.6278,
37.6125

■ 15.6908, 8.2260,
8.0442

■ 36.4621, 40.7430,
42.7931

■ 15.2029, 7.7310,
6.3999

■ 40.5768, 47.6007,
48.3937

■ 15.1687, 7.6964,
6.2841

■ 45.1212, 55.2247,
54.4239

■ 50.1075, 63.6380,
60.8933

■ 55.5476, 72.8625,
67.8108

Harmonies

Analogous

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



20.5816, 17.0649, 29.3842



21.8586, 17.0649, 20.8807



21.4998, 17.0649, 13.7103

Triad

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



21.8586, 17.0649, 20.8807



14.4155, 17.0649, 7.9574



13.2144, 17.0649, 32.6377

Complementary

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



21.8586, 17.0649, 20.8807



21.1482, 28.5797, 25.8759

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.



11.8836, 17.0649, 24.4864



21.8586, 17.0649, 20.8807



12.5222, 17.0649, 10.8149

Square

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



21.8586, 17.0649, 20.8807



17.0040, 17.0649, 7.4859



11.6449, 17.0649, 16.4563



15.4598, 17.0649, 37.2949

Rectangle

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



21.8586, 17.0649, 20.8807



20.3964, 17.0649, 10.4422



11.6449, 17.0649, 16.4563



12.6560, 17.0649, 30.1245

Sweetspot

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



21.8591, 17.0657, 20.8810



51.8625, 50.3905, 57.1864



19.5764, 15.5890, 34.3252



11.5464, 11.1236, 12.6742



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.8591, 17.0657, 20.8810



36.7723, 26.4975, 32.7727



20.6838, 17.0571, 13.2695



6.7470, 6.6917, 7.5188



12.1676, 6.1716, 5.1337



0.2384, 0.1187, 0.2017

Inverse Universe

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



21.8591, 17.0657, 20.8810



36.7723, 26.4975, 32.7727



22.7007, 28.3653, 36.6266



6.7470, 6.6917, 7.5188



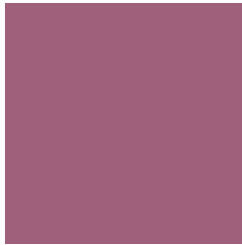
12.1676, 6.1716, 5.1337



0.2384, 0.1187, 0.2017

Previews

White Background



This preview shows how the XYZ color 21.8586, 17.0649, 20.8807 looks on a white background.

Color Contrast Check

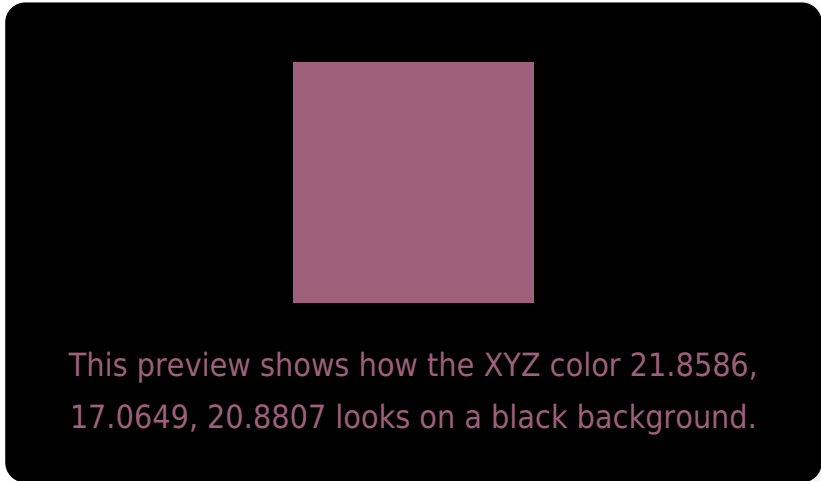
Large Text (above 18pt) WCAG AA ✓ Pass

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

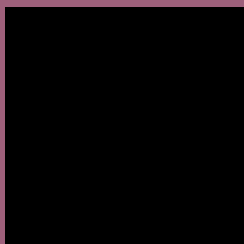
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8586, 17.0649, 20.8807

Background



This preview shows how black text looks on a background with the XYZ color 21.8586, 17.0649, 20.8807.



This preview shows how white text looks on a background with the XYZ color 21.8586, 17.0649,

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

21.8586, 17.0649, 20.8807

Protanopia

16.9460, 17.1634, 25.3414

Deuteranopia

17.4965, 17.2295, 20.1728



Tritanopia

20.7737, 17.0322, 15.8283

Trichromacy



Original Color

21.8586, 17.0649, 20.8807

Protanomaly

18.2565, 16.7433, 23.7423

Deuteranomaly

18.7586, 16.9228, 20.3669

Tritanomaly

21.1969, 17.0733, 17.5075

Monochromacy



Original Color

21.8586, 17.0649, 20.8807

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.6390, 17.4945, 20.1637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8586, 17.0649, 20.8807 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(158, 96, 123)` looks like.

```
.text, #text, p{  
    color:rgb(158, 96, 123)  
}
```

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(158, 96, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 96, 123) }
```

Border

The CSS property to change the border of an element to XYZ 21.8586, 17.0649, 20.8807 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(158, 96, 123) }
```


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

```
.border{ border-color:rgb(158, 96, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 96, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 96, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 96, 123);  
box-shadow:4px 4px 4px 4px rgb(158, 96,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8586, 17.0649, 20.8807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 96, 123) }
```

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

```
.background{ background-color: rgb(158, 96,  
123) }
```

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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