

Converting Colors

XYZ(21.3166, 17.6107, 20.1193)

Have a look what the booklet for
XYZ(21.3166, 17.6107, 20.1193)
contains.

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Color

**XYZ(21.2784, 17.6311,
20.0510)**

Conversions

Conversions Part 1

Format	Color
Hex	996678
RGB	153, 102, 120
RGB Percent	60%, 40%, 47%
CMY	0.4000, 0.6000, 0.5294
CMYK	0.00, 0.33, 0.22, 0.40
HSL	339°, 20%, 50%
HSV	339°, 33%, 60%
XYZ	21.2784, 17.6311, 20.0510
YIQ	119.3010, 24.6180, 16.4100

Conversions

Conversions Part 2

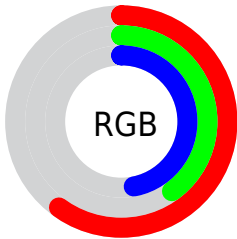
Format	Color
R_{YB}	153, 102, 120
Decimal	10053240
CIE _{Lab}	49.05, 23.23, -1.64
CIE _{LCh}	49, 23.290, 355.966
Yxy	17.6311, 0.3609, 0.2990
Android (android.graphics.Color)	4288243320 (0xFF996678)
YUV	119.3010, 0.3446, 29.5540
Hunter-Lab	41.9894, 16.9746, 1.0801

Details

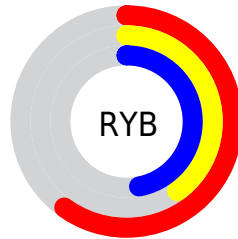
The XYZ color **21.2784, 17.6311, 20.0510** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2446, 27.3569, 27.0836**, and the grayscale version is **17.6238, 18.5417, 20.1919**.

A 20% lighter version of the original color is **45.0144, 39.4997, 44.2814**, and **7.8557, 5.8729, 6.8504** is the 20% darker color. If you saturate the color by 10%, you get **19.3411, 14.6688, 16.5925**, and if you desaturate by 10%, it is **23.5563, 21.1749, 23.9300**.

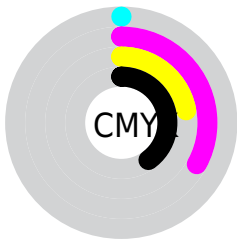
Distribution



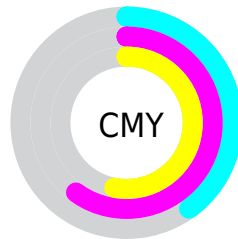
- Red (60%)
- Green (40%)
- Blue (47%)



- Red (60%)
- Yellow (40%)
- Blue (47%)



- Cyan (0%)
- Magenta (33%)
- Yellow (22%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2784, 17.6311, 20.0510 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 21.2784, 17.6311, 20.0510 by changing the saturation by 10% instead.

■ 21.2784, 17.6311,
20.0510

■ 21.2784, 17.6311,
20.0510

251.4582,
238.7834, 264.8044

■ 13.4413, 10.6855,
12.2477

■ 45.0382, 39.4077,
44.3628

■ 7.8122, 5.8558,
6.7880

■ 61.6916, 55.0075,
61.7083

■ 4.0258, 2.7576,
3.2534

■ 82.0144, 74.2608,
83.0716

■ 1.7167, 1.0065,
1.2255

■ 106.3721, 97.5519,
108.8713

■ 0.4667, 0.0000,
0.0000

135.1300,
125.2654, 139.5259

■ 0.0000, 0.0000,
0.0000

168.6534,

157.7855, 175.4539

207.3076,
195.4967, 217.0739

■ 21.2784, 17.6311,
20.0510

■ 21.2784, 17.6311,
20.0510

■ 19.3411, 14.6688,
16.5925

■ 23.5563, 21.1749,
23.9300

■ 17.7259, 12.2543,
13.5384

■ 26.1894, 25.3268,
28.2427

■ 16.4144, 10.3540,
10.8732


■ 29.1929, 30.1145,
33.0028


■ 15.3858, 8.9298,
8.5796

■ 32.5809, 35.5634,
38.2232


■ 14.6167, 7.9378,
6.6389


■ 36.3666, 41.6976,
43.9162


 14.0792, 7.3264,
5.0304

 40.5628, 48.5398,
50.0937

 13.8027, 7.0386,
4.1205

 45.1814, 56.1117,
56.7670

 50.2340, 64.4342,
63.9473

 55.7317, 73.5272,
71.6451

Harmonies

Analogous

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



20.4624, 17.6311, 26.6994



21.2784, 17.6311, 20.0510



20.7998, 17.6311, 14.4223

Triad

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



21.2784, 17.6311, 20.0510



14.9950, 17.6311, 10.3271



14.5275, 17.6311, 30.9125

Complementary

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



21.2784, 17.6311, 20.0510



21.2446, 27.3569, 27.0836

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.



13.2766, 17.6311, 24.9245



21.2784, 17.6311, 20.0510



13.5298, 17.6311, 13.2512

Square

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



21.2784, 17.6311, 20.0510



17.0533, 17.6311, 9.5675



12.9277, 17.6311, 18.3681



16.4658, 17.6311, 33.7701

Rectangle

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



21.2784, 17.6311, 20.0510



19.8315, 17.6311, 11.8186



12.9277, 17.6311, 18.3681



14.0194, 17.6311, 29.1435

Sweetspot

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



21.2789, 17.6319, 20.0514



48.5148, 47.9191, 53.1630



20.3812, 16.8966, 32.3243



10.5649, 10.3463, 11.5031



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.



21.2789, 17.6319, 20.0514



35.4633, 27.5229, 31.2191



20.9831, 18.6271, 15.0608



6.2943, 6.2569, 6.9301



11.4223, 5.8231, 3.4828



0.1870, 0.0935, 0.1374

Inverse Universe

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



21.2789, 17.6319, 20.0514



35.4633, 27.5229, 31.2191



21.5396, 25.7447, 33.9711



6.2943, 6.2569, 6.9301



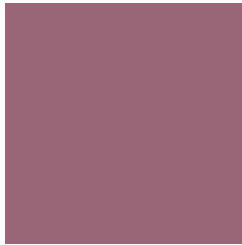
11.4223, 5.8231, 3.4828



0.1870, 0.0935, 0.1374

Previews

White Background



This preview shows how the XYZ color 21.2784, 17.6311, 20.0510 looks on a white background.

Color Contrast Check

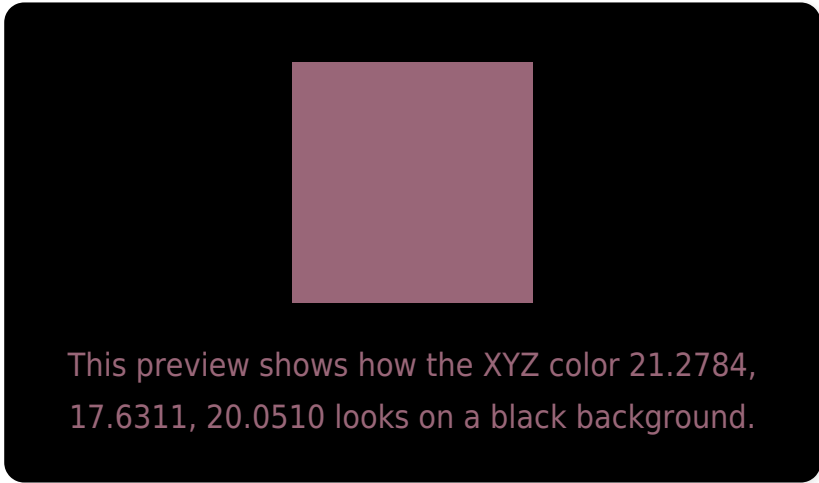
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

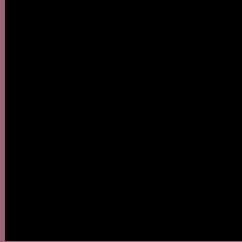
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2784, 17.6311, 20.0510

Background



This preview shows how black text looks on a background with the XYZ color 21.2784, 17.6311, 20.0510.



This preview shows how white text looks on a background with the XYZ color 21.2784, 17.6311,

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

21.2784, 17.6311, 20.0510

Protanopia

17.4103, 17.7888, 23.2848

Deuteranopia

18.0772, 17.7075, 19.6046



Tritanopia

20.6684, 17.5236, 17.3320

Trichromacy



Original Color

21.2784, 17.6311, 20.0510

Protanomaly

18.5036, 17.5424, 22.1494

Deuteranomaly

19.1149, 17.5876, 19.8400

Tritanomaly

20.8364, 17.5908, 18.2168

Monochromacy



Original Color

21.2784, 17.6311, 20.0510

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.5950, 17.9675, 19.9408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2784, 17.6311, 20.0510 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, 102, 120)` looks like.

```
.text, #text, p{  
    color:rgb(153, 102, 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(153, 102, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 102, 120) }
```

Border

The CSS property to change the border of an element to XYZ 21.2784, 17.6311, 20.0510 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, 102, 120) }
```


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

```
.border{ border-color:rgb(153, 102, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 102, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 102, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 102, 120);  
box-shadow:4px 4px 4px 4px rgb(153, 102,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2784, 17.6311, 20.0510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 102, 120) }
```

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

```
.background{ background-color: rgb(153,  
102, 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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