

# Converting Colors

XYZ(21.4131, 17.5525, 20.2601)

Have a look what the booklet for  
XYZ(21.4131, 17.5525, 20.2601)  
contains.

<b>XYZ(21.4313, 17.5579, 20.3486)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(21.4313, 17.5579,  
20.3486)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A6579
RGB	154, 101, 121
RGB Percent	60%, 40%, 47%
CMY	0.3961, 0.6039, 0.5255
CMYK	0.00, 0.34, 0.21, 0.40
HSL	337°, 21%, 50%
HSV	337°, 34%, 60%
XYZ	21.4313, 17.5579, 20.3486
YIQ	119.1270, 25.1680, 17.4560

# Conversions

## Conversions Part 2

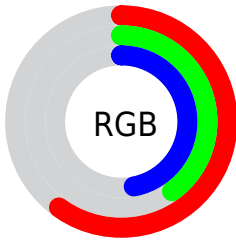
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	154, 101, 121
Decimal	10118521
CIE <sub>Lab</sub>	48.96, 24.35, -2.35
CIE <sub>LCh</sub>	49, 24.460, 354.477
Yxy	17.5579, 0.3612, 0.2959
Android (android.graphics.Color)	4288308601 (0xFF9A6579)
YUV	119.1270, 0.9234, 30.5836
Hunter-Lab	41.9021, 17.9670, 0.5390

# Details

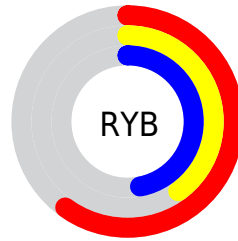
The XYZ color **21.4313, 17.5579, 20.3486** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2263, 27.5996, 26.7642**, and the grayscale version is **17.5668, 18.4817, 20.1265**.

A 20% lighter version of the original color is **45.2286, 39.3549, 44.7476**, and **7.9552, 5.8520, 7.0136** is the 20% darker color. If you saturate the color by 10%, you get **19.5147, 14.6194, 16.9512**, and if you desaturate by 10%, it is **23.6876, 21.0818, 24.1480**.

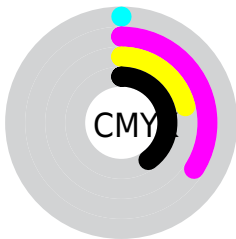
# Distribution



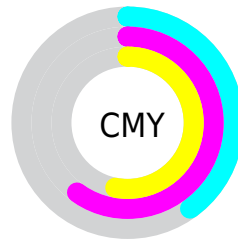
- Red (60%)
- Green (40%)
- Blue (47%)



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



- Cyan (0%)
- Magenta (34%)
- Yellow (21%)
- Black (40%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4313, 17.5579, 20.3486 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 21.4313, 17.5579, 20.3486 by changing the saturation by 10% instead.



■ 21.4313, 17.5579,  
20.3486

■ 21.4313, 17.5579,  
20.3486

252.2504,  
238.3672, 266.4625

■ 13.5539, 10.6331,  
12.4621

■ 45.2901, 39.2825,  
44.8675

■ 7.8907, 5.8207,  
6.9329

■ 62.0023, 54.8511,  
62.3370

■ 4.0763, 2.7363,  
3.3423

■ 82.3900, 74.0697,  
83.8379

■ 1.7454, 0.9957,  
1.2720

■ 106.8187, 97.3228,  
109.7887

■ 0.4844, 0.0000,  
0.0387

135.6537,  
124.9947, 140.6081

■ 0.0000, 0.0000,  
0.0000

169.2605,

157.4698, 176.7145

208.0042,  
195.1325, 218.5264

■ 21.4313, 17.5579,  
20.3486

■ 21.4313, 17.5579,  
20.3486

■ 19.5147, 14.6194,  
16.9512

■ 23.6876, 21.0818,  
24.1480

■ 17.9189, 12.2317,  
13.9407

■ 26.2981, 25.2183,  
28.3619

■ 16.6253, 10.3606,  
11.3022


■ 29.2784, 29.9956,  
33.0031


■ 15.6129, 8.9668,  
9.0195


■ 32.6426, 35.4398,  
38.0841


■ 14.8576, 8.0052,  
7.0748


■ 36.4042, 41.5752,  
43.6162


 14.3301, 7.4209,  
5.4481

 40.5758, 48.4250,  
49.6108

 14.0929, 7.1766,  
4.6598

 45.1697, 56.0113,  
56.0786

 50.1973, 64.3554,  
63.0301

 55.6700, 73.4775,  
70.4752

# Harmonies

## Analogous

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



20.5071, 17.5579, 27.3583



21.4313, 17.5579, 20.3486



20.9939, 17.5579, 14.3830

# Triad

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



21.4313, 17.5579, 20.3486



14.9408, 17.5579, 9.8331



14.2738, 17.5579, 31.2321

# Complementary

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



21.4313, 17.5579, 20.3486



21.2263, 27.5996, 26.7642

# 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.



13.0157, 17.5579, 24.7914



21.4313, 17.5579, 20.3486



13.3756, 17.5579, 12.7240

# Square

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



21.4313, 17.5579, 20.3486



17.1127, 17.5579, 9.1635



12.7024, 17.5579, 17.9372



16.2709, 17.5579, 34.4926



# Rectangle

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



21.4313, 17.5579, 20.3486



20.0077, 17.5579, 11.6158



12.7024, 17.5579, 17.9372



13.7579, 17.5579, 29.3053

# Sweetspot

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



21.4318, 17.5587, 20.3490



49.9696, 49.3219, 54.9771



20.2682, 16.6838, 32.7240



11.1528, 10.9116, 12.1973



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694



# Same Dimension

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



21.4318, 17.5587, 20.3490



36.2948, 27.8419, 32.3237



20.9529, 18.3642, 14.7533



6.3004, 6.2593, 6.9620



11.4981, 5.8535, 3.8822



0.1887, 0.0942, 0.1464



# Inverse Universe

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



21.4318, 17.5587, 20.3490



36.2948, 27.8419, 32.3237



21.7613, 26.2226, 34.4865



6.3004, 6.2593, 6.9620



11.4981, 5.8535, 3.8822

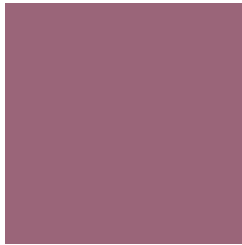


0.1887, 0.0942, 0.1464



# Previews

## White Background



This preview shows how the XYZ color 21.4313, 17.5579, 20.3486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

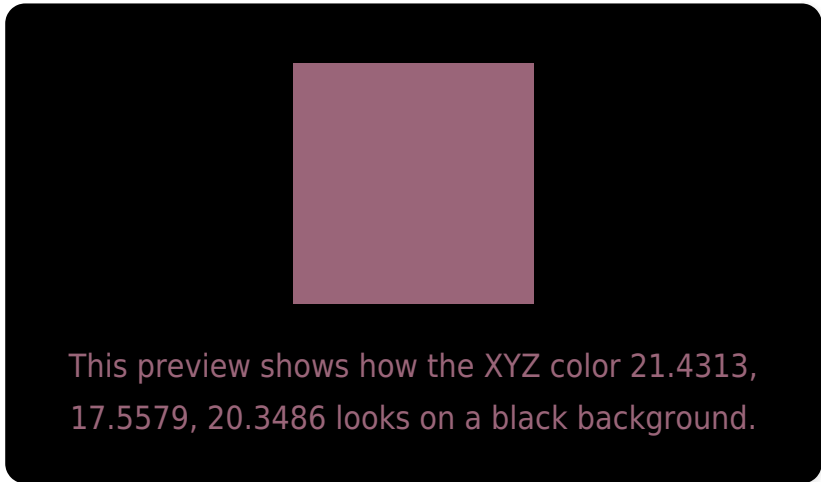
Any Text WCAG AA ✓ Pass

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 21.4313, 17.5579, 20.3486**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.4313, 17.5579, 20.3486.



This preview shows how white text looks on a background with the XYZ color 21.4313, 17.5579,



# 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

21.4313, 17.5579, 20.3486

### Protanopia

17.3449, 17.7473, 23.6305

### Deuteranopia

17.9873, 17.6542, 19.9123



## Tritanopia

20.8564, 17.6205, 17.3408

# Trichromacy



## Original Color

21.4313, 17.5579, 20.3486

## Protanomaly

18.5685, 17.5683, 22.4910

## Deuteranomaly

19.1753, 17.6117, 20.1580

## Tritanomaly

20.9828, 17.5129, 18.4941

# Monochromacy



## Original Color

21.4313, 17.5579, 20.3486

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

18.7001, 17.8499, 20.2291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.4313, 17.5579, 20.3486 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(154, 101, 121)` looks like.

```
.text, #text, p{  
    color:rgb(154, 101, 121)  
}
```

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(154, 101, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 101, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 21.4313, 17.5579, 20.3486 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(154, 101, 121) }
```



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

```
.border{ border-color:rgb(154, 101, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 101, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 101, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 101, 121);  
box-shadow:4px 4px 4px 4px rgb(154, 101,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.4313, 17.5579, 20.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 101, 121) }
```

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

```
.background{ background-color: rgb(154,  
101, 121) }
```

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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