

# Converting Colors

XYZ(23.0745, 19.6260, 20.7918)

Have a look what the booklet for  
XYZ(23.0745, 19.6260, 20.7918)  
contains.

<b>XYZ(23.0204, 19.5869, 20.6565)</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(23.0204, 19.5869,  
20.6565)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E6D79
RGB	158, 109, 121
RGB Percent	62%, 43%, 47%
CMY	0.3804, 0.5725, 0.5255
CMYK	0.00, 0.31, 0.23, 0.38
HSL	345°, 20%, 52%
HSV	345°, 31%, 62%
XYZ	23.0204, 19.5869, 20.6565
YIQ	125.0190, 25.3520, 14.1200

# Conversions

## Conversions Part 2

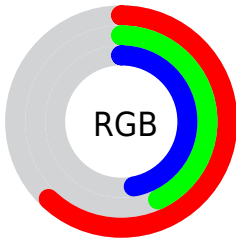
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 109, 121
Decimal	10382713
CIE <sub>Lab</sub>	51.37, 21.30, 1.23
CIE <sub>LCh</sub>	51, 21.331, 3.305
Yxy	19.5869, 0.3639, 0.3096
Android (android.graphics.Color)	4288572793 (0xFF9E6D79)
YUV	125.0190, -1.9814, 28.9243
Hunter-Lab	44.2571, 15.3972, 3.3070

# Details

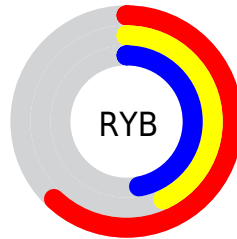
The XYZ color **23.0204, 19.5869, 20.6565** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.7227, 29.7808, 31.6936**, and the grayscale version is **19.5004, 20.5159, 22.3418**.

A 20% lighter version of the original color is **48.0193, 42.8030, 45.2661**, and **8.6970, 6.8218, 7.1617** is the 20% darker color. If you saturate the color by 10%, you get **20.7970, 16.2394, 16.5260**, and if you desaturate by 10%, it is **25.6384, 23.5784, 25.3656**.

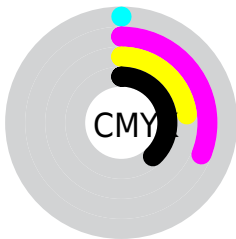
# Distribution



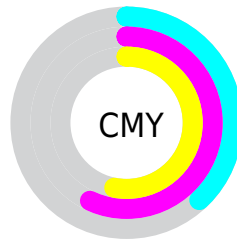
- Red (62%)
- Green (43%)
- Blue (47%)



- Red (62%)
- Yellow (43%)
- Blue (47%)



- Cyan (0%)
- Magenta (31%)
- Yellow (23%)
- Black (38%)



- Cyan (38%)
- Magenta (57%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0204, 19.5869, 20.6565 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 23.0204, 19.5869, 20.6565 by changing the saturation by 10% instead.



23.0204, 19.5869,  
20.6565

23.0204, 19.5869,  
20.6565

260.3631,  
249.6699, 268.1681

14.7293, 12.0951,  
12.6844

47.8932, 42.7235,  
45.3885

8.7147, 6.8085,  
7.0834

65.2057, 59.1371,  
62.9854

4.6112, 3.3426,  
3.4351

86.2561, 79.2934,  
84.6277

2.0534, 1.3131,  
1.3208

111.4096,  
103.5769, 110.7339

0.6637, 0.1513,  
0.0788

141.0318,  
132.3719, 141.7224

0.0000, 0.0000,  
0.0000

175.4878,

166.0628, 178.0120

215.1432,  
205.0340, 220.0210

■ 23.0204, 19.5869,  
20.6565

■ 23.0204, 19.5869,  
20.6565

■ 20.7970, 16.2394,  
16.5260

■ 25.6384, 23.5784,  
25.3656

■ 18.9470, 13.4993,  
12.9500

■ 28.6676, 28.2425,  
30.6734

■ 17.4497, 11.3307,  
9.9047


■ 32.1254, 33.6093,  
36.6007


■ 16.2817, 9.6926,  
7.3639


■ 36.0279, 39.7064,  
43.1669


■ 15.4166, 8.5385,  
5.2991


■ 40.3902, 46.5596,  
50.3904


 14.8235, 7.8140,  
3.6785

 45.2269, 54.1939,  
58.2891

 14.4616, 7.4135,  
2.5610

 50.5518, 62.6328,  
66.8799

 56.3781, 71.8990,  
76.1793

 62.7187, 82.0141,  
86.2032

# Harmonies

## Analogous

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



22.5280, 19.5869, 27.0528



23.0204, 19.5869, 20.6565



22.2605, 19.5869, 15.5037

# Triad

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



23.0204, 19.5869, 20.6565



16.4536, 19.5869, 12.9368



16.8338, 19.5869, 33.6409

# Complementary

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



23.0204, 19.5869, 20.6565



23.7227, 29.7808, 31.6936

# 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.



15.3941, 19.5869, 28.4512



23.0204, 19.5869, 20.6565



15.1866, 19.5869, 16.4718

# Square

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



23.0204, 19.5869, 20.6565



18.3812, 19.5869, 11.6157



14.8139, 19.5869, 22.0115



18.8543, 19.5869, 35.3393



# Rectangle

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



23.0204, 19.5869, 20.6565



21.1775, 19.5869, 13.2246



14.8139, 19.5869, 22.0115



16.2712, 19.5869, 32.2037

# Sweetspot

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



23.0209, 19.5878, 20.6569



53.1526, 52.9787, 57.5916



23.4506, 19.4950, 34.8748



11.7968, 11.6555, 12.6618



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.



23.0209, 19.5878, 20.6569



39.0180, 31.3644, 32.3637



23.7294, 22.1097, 17.4861



6.6964, 6.6715, 7.2521



11.5959, 5.9429, 2.1232



0.2224, 0.1123, 0.1175



# Inverse Universe

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



23.0209, 19.5878, 20.6569



39.0180, 31.3644, 32.3637



22.7194, 26.2013, 36.2078



6.6964, 6.6715, 7.2521



11.5959, 5.9429, 2.1232

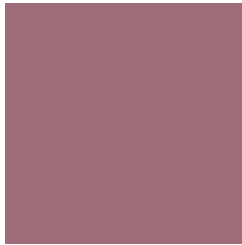


0.2224, 0.1123, 0.1175



# Previews

## White Background



This preview shows how the XYZ color 23.0204, 19.5869, 20.6565 looks on a white 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



# Black Background



This preview shows how the XYZ color 23.0204, 19.5869, 20.6565 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

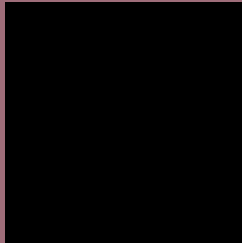
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 23.0204, 19.5869, 20.6565**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.0204, 19.5869, 20.6565.



This preview shows how white text looks on a background with the XYZ color 23.0204, 19.5869,



# 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

23.0204, 19.5869, 20.6565

### Protanopia

19.0904, 19.7150, 23.5681

### Deuteranopia

20.0799, 19.7598, 20.2085



## Tritanopia

22.9465, 19.7290, 19.7382

# Trichromacy



## Original Color

23.0204, 19.5869, 20.6565

## Protanomaly

20.2805, 19.4632, 22.4265

## Deuteranomaly

21.0225, 19.5468, 20.4342

## Tritanomaly

23.0063, 19.7529, 20.0529

# Monochromacy



## Original Color

23.0204, 19.5869, 20.6565

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

20.5514, 19.9673, 21.8397

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.0204, 19.5869, 20.6565 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, 109, 121)` looks like.

```
.text, #text, p{  
    color:rgb(158, 109, 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(158, 109, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 109, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 23.0204, 19.5869, 20.6565 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, 109, 121) }
```



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

```
.border{ border-color:rgb(158, 109, 121) }
```

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

Here you see how a box with a 4 pixel rgb(158, 109, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 109, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 109, 121);  
box-shadow:4px 4px 4px 4px rgb(158, 109,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.0204, 19.5869, 20.6565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 109, 121) }
```

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

```
.background{ background-color: rgb(158,  
109, 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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