

# Converting Colors

XYZ(24.4108, 20.0273, 20.4300)

Have a look what the booklet for  
XYZ(24.4108, 20.0273, 20.4300)  
contains.

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# Color

**XYZ(24.3737, 19.9784,  
20.3409)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A66B78
RGB	166, 107, 120
RGB Percent	65%, 42%, 47%
CMY	0.3490, 0.5804, 0.5294
CMYK	0.00, 0.36, 0.28, 0.35
HSL	347°, 25%, 54%
HSV	347°, 36%, 65%
XYZ	24.3737, 19.9784, 20.3409
YIQ	126.1230, 30.9910, 16.5510

# Conversions

## Conversions Part 2

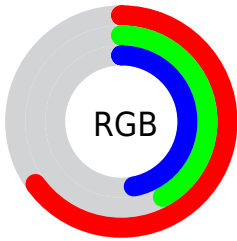
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 107, 120
Decimal	10906488
CIE <sub>Lab</sub>	51.81, 25.36, 2.59
CIE <sub>LCh</sub>	52, 25.496, 5.823
Yxy	19.9784, 0.3768, 0.3088
Android (android.graphics.Color)	4289096568 (0xFFA66B78)
YUV	126.1230, -3.0186, 34.9721
Hunter-Lab	44.6972, 19.1172, 4.3062

# Details

The XYZ color **24.3737, 19.9784, 20.3409** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.4502, 32.6985, 35.1086**, and the grayscale version is **19.8760, 20.9111, 22.7722**.

A 20% lighter version of the original color is **49.9687, 43.3044, 44.7547**, and **9.3648, 6.9387, 6.9766** is the 20% darker color. If you saturate the color by 10%, you get **22.0731, 16.5505, 15.9570**, and if you desaturate by 10%, it is **27.1138, 24.1152, 25.3956**.

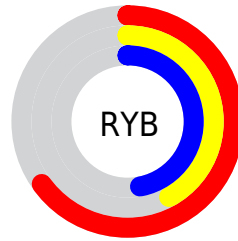
# Distribution



Red (65%)

Green (42%)

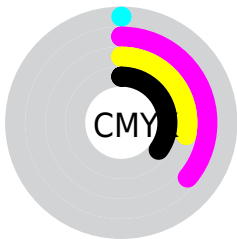
Blue (47%)



Red (65%)

Yellow (42%)

Blue (47%)

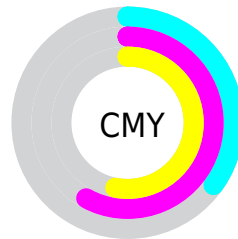


Cyan (0%)

Magenta (36%)

Yellow (28%)

Black (35%)



Cyan (35%)

Magenta (58%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3737, 19.9784, 20.3409 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 24.3737, 19.9784, 20.3409 by changing the saturation by 10% instead.





 24.3737, 19.9784,  
20.3409


 24.3737, 19.9784,  
20.3409


267.1099,  
251.7982, 266.4197


 15.7373, 12.3793,  
12.4566


 50.0896, 43.3810,  
44.8545


 9.4281, 7.0026,  
6.9291


 67.8998, 59.9533,  
62.3207

 5.0808, 3.4637,  
3.3400

 89.4986, 80.2854,  
83.8181

 2.3300, 1.3783,  
1.2708

 115.2515,  
104.7619, 109.7650

 0.8099, 0.2007,  
0.0377

145.5237,  
133.7670, 140.5801

 0.0000, 0.0000,  
0.0000

180.6806,

167.6851, 176.6819

221.0875,  
206.9007, 218.4889

■ 24.3737, 19.9784,  
20.3409

■ 24.3737, 19.9784,  
20.3409

■ 22.0731, 16.5505,  
15.9570

■ 27.1138, 24.1152,  
25.3956

■ 20.1872, 13.7887,  
12.2142

■ 30.3134, 28.9947,  
31.1469

■ 18.6908, 11.6501,  
9.0819


■ 33.9930, 34.6521,  
37.6205


■ 17.5556, 10.0858,  
6.5269


■ 38.1717, 41.1193,  
44.8405


■ 16.7491, 9.0390,  
4.5123


■ 42.8673, 48.4266,  
52.8299


 16.2303, 8.4374,  
2.9959

 48.0967, 56.6026,  
61.6107

 16.0531, 8.2379,  
2.4590

 53.8763, 65.6748,  
71.2039

 60.2214, 75.6692,  
81.6298

 66.6973, 85.7116,  
92.7582

# Harmonies

## Analogous

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



23.8924, 19.9784, 28.1175



24.3737, 19.9784, 20.3409



23.3096, 19.9784, 14.4417

# Triad

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



24.3737, 19.9784, 20.3409



16.2265, 19.9784, 12.1342



17.0256, 19.9784, 37.4900

# Complementary

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



24.3737, 19.9784, 20.3409



25.4502, 32.6985, 35.1086

# 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.



15.2381, 19.9784, 31.1907



24.3737, 19.9784, 20.3409



14.8068, 19.9784, 16.4297

# Square

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



24.3737, 19.9784, 20.3409



18.4892, 19.9784, 10.4448



14.4620, 19.9784, 23.2292



19.4975, 19.9784, 39.2043



# Rectangle

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



24.3737, 19.9784, 20.3409



21.9193, 19.9784, 11.9759



14.4620, 19.9784, 23.2292



16.3320, 19.9784, 35.7784

# Sweetspot

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



24.3742, 19.9794, 20.3413



57.8020, 56.8971, 61.4586



25.1339, 19.9675, 38.6058



12.7449, 12.4404, 13.4179



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



24.3742, 19.9794, 20.3413



40.7322, 31.0316, 30.2604



25.4303, 23.2692, 17.0622



7.5963, 7.5684, 8.1911



12.4634, 6.3941, 1.9856



0.3213, 0.1628, 0.1435



# Inverse Universe

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



24.3742, 19.9794, 20.3413



40.7322, 31.0316, 30.2604



23.8960, 27.7775, 40.1786



7.5963, 7.5684, 8.1911



12.4634, 6.3941, 1.9856

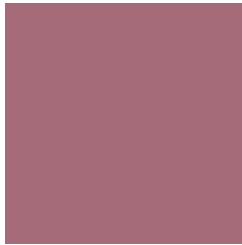


0.3213, 0.1628, 0.1435



# Previews

## White Background



This preview shows how the XYZ color 24.3737, 19.9784, 20.3409 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

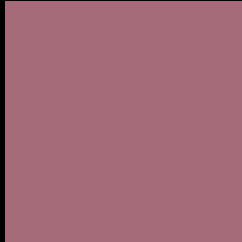
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.3737, 19.9784, 20.3409 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

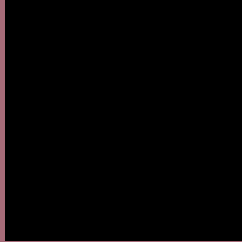
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 24.3737, 19.9784, 20.3409**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.3737, 19.9784, 20.3409.



This preview shows how white text looks on a background with the XYZ color 24.3737, 19.9784,



# 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

24.3737, 19.9784, 20.3409

### Protanopia

19.5029, 20.1109, 23.6228

### Deuteranopia

20.4677, 20.1442, 19.9490



## Tritanopia

24.2408, 20.0931, 19.1237

# Trichromacy



## Original Color

24.3737, 19.9784, 20.3409

## Protanomaly

20.9424, 19.8044, 22.4575

## Deuteranomaly

21.6732, 19.8893, 20.1495

## Tritanomaly

24.2993, 20.1165, 19.4318

# Monochromacy



## Original Color

24.3737, 19.9784, 20.3409

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

21.2194, 20.3116, 21.8709

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.3737, 19.9784, 20.3409 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(166, 107, 120)` looks like.

```
.text, #text, p{  
    color:rgb(166, 107, 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(166, 107, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 107, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 24.3737, 19.9784, 20.3409 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(166, 107, 120) }
```



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

```
.border{ border-color:rgb(166, 107, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 107, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 107, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 107, 120);  
box-shadow:4px 4px 4px 4px rgb(166, 107,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.3737, 19.9784, 20.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 107, 120) }
```

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

```
.background{ background-color: rgb(166,  
107, 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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