

# Converting Colors

XYZ(24.0815, 19.5076, 20.9085)

Have a look what the booklet for  
XYZ(24.0815, 19.5076, 20.9085)  
contains.

<b>XYZ(24.0815, 19.5076, 20.9085)</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(24.0815, 19.5076,  
20.9085)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A5697A
RGB	165, 105, 122
RGB Percent	65%, 41%, 48%
CMY	0.3529, 0.5882, 0.5216
CMYK	0.00, 0.36, 0.26, 0.35
HSL	343°, 25%, 53%
HSV	343°, 36%, 65%
XYZ	24.0815, 19.5076, 20.9085
YIQ	124.8780, 30.3030, 18.0070

# Conversions

## Conversions Part 2

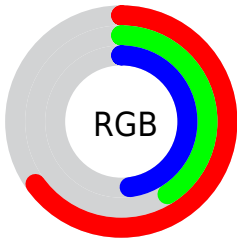
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 105, 122
Decimal	10840442
CIE <sub>Lab</sub>	51.28, 26.40, 0.61
CIE <sub>LCh</sub>	51, 26.412, 1.318
Yxy	19.5076, 0.3734, 0.3025
Android (android.graphics.Color)	4289030522 (0xFFA5697A)
YUV	124.8780, -1.4189, 35.1870
Hunter-Lab	44.1674, 20.0310, 2.8498

# Details

The XYZ color **24.0815, 19.5076, 20.9085** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.6270, 32.0522, 32.9072**, and the grayscale version is **19.4499, 20.4628, 22.2840**.

A 20% lighter version of the original color is **49.5157, 42.5421, 45.6461**, and **9.2989, 6.7541, 7.1169** is the 20% darker color. If you saturate the color by 10%, you get **21.8724, 16.1915, 16.7744**, and if you desaturate by 10%, it is **26.7069, 23.5134, 25.6218**.

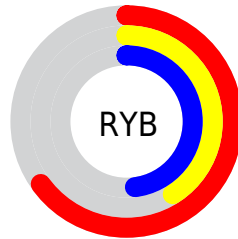
# Distribution



Red (65%)

Green (41%)

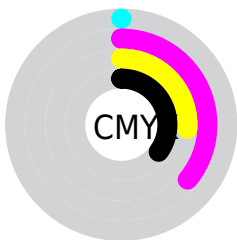
Blue (48%)



Red (65%)

Yellow (41%)

Blue (48%)

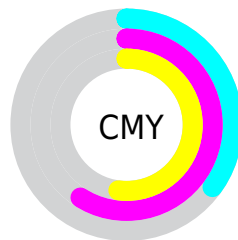


Cyan (0%)

Magenta (36%)

Yellow (26%)

Black (35%)



Cyan (35%)

Magenta (59%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0815, 19.5076, 20.9085 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 24.0815, 19.5076, 20.9085 by changing the saturation by 10% instead.



■ 24.0815, 19.5076,  
20.9085

■ 24.0815, 19.5076,  
20.9085

265.6651,  
249.2368, 269.5569

■ 15.5192, 12.0376,  
12.8665

■ 49.6169, 42.5901,  
45.8140

■ 9.2732, 6.7693,  
7.2071

■ 67.3206, 58.9714,  
63.5147

■ 4.9784, 3.3183,  
3.5115

■ 88.8022, 79.0919,  
85.2719

■ 2.2692, 1.3001,  
1.3614

■ 114.4269,  
103.3361, 111.5044

■ 0.7788, 0.1412,  
0.1113

144.5603,  
132.0882, 142.6306

■ 0.0000, 0.0000,  
0.0000

179.5675,

165.7328, 179.0690

219.8140,  
204.6542, 221.2383

■ 24.0815, 19.5076,  
20.9085

■ 24.0815, 19.5076,  
20.9085

■ 21.8724, 16.1915,  
16.7744

■ 26.7069, 23.5134,  
25.6218

■ 20.0559, 13.5231,  
13.1952

■ 29.7675, 28.2421,  
30.9348

■ 18.6083, 11.4602,  
10.1465


■ 33.2828, 33.7281,  
36.8685


■ 17.5025, 9.9546,  
7.6015


■ 37.2708, 40.0028,  
43.4426

■ 16.7074, 8.9501,  
5.5309


■ 41.7484, 47.0959,  
50.6756


 16.1809, 8.3691,  
3.9000

 46.7316, 55.0354,  
58.5855

 16.0251, 8.2026,  
3.4010

 52.2359, 63.8481,  
67.1895

 58.2758, 73.5596,  
76.5042

 64.8655, 84.1944,  
86.5457

# Harmonies

## Analogous

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



23.3506, 19.5076, 28.9930



24.0815, 19.5076, 20.9085



23.2150, 19.5076, 14.5561

# Triad

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



24.0815, 19.5076, 20.9085



16.0307, 19.5076, 11.1000



16.2146, 19.5076, 36.6816

# Complementary

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



24.0815, 19.5076, 20.9085



24.6270, 32.0522, 32.9072

# 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.



14.5413, 19.5076, 29.7101



24.0815, 19.5076, 20.9085



14.4425, 19.5076, 15.0100

# Square

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



24.0815, 19.5076, 20.9085



18.4251, 19.5076, 9.7864



13.9237, 19.5076, 21.5759



18.6582, 19.5076, 39.2986



# Rectangle

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



24.0815, 19.5076, 20.9085



21.8915, 19.5076, 11.8080



13.9237, 19.5076, 21.5759



15.5518, 19.5076, 34.6994

# Sweetspot

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



24.0820, 19.5085, 20.9089



56.4559, 55.4757, 60.7439



24.0566, 19.1167, 38.0195



12.1687, 11.8571, 12.9862



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

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



24.0820, 19.5085, 20.9089



39.7399, 29.8433, 31.1267



24.5460, 21.9770, 16.3140



7.1524, 7.1174, 7.7891



12.1422, 6.2129, 2.6733



0.2744, 0.1382, 0.1574



# Inverse Universe

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



24.0820, 19.5085, 20.9089



39.7399, 29.8433, 31.1267



23.8462, 28.1770, 39.7794



7.1524, 7.1174, 7.7891



12.1422, 6.2129, 2.6733

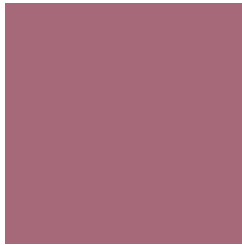


0.2744, 0.1382, 0.1574



# Previews

## White Background



This preview shows how the XYZ color 24.0815, 19.5076, 20.9085 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

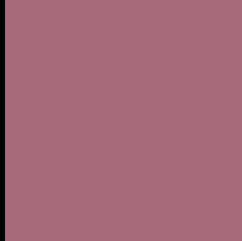
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.0815, 19.5076, 20.9085 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 24.0815, 19.5076, 20.9085**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.0815, 19.5076, 20.9085.



This preview shows how white text looks on a background with the XYZ color 24.0815, 19.5076,



# 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

24.0815, 19.5076, 20.9085

### Protanopia

19.1504, 19.7226, 24.6273

### Deuteranopia

19.9787, 19.7006, 20.5189



## Tritanopia

23.5011, 19.4155, 18.4285

# Trichromacy



## Original Color

24.0815, 19.5076, 20.9085

## Protanomaly

20.6229, 19.4526, 23.0899

## Deuteranomaly

21.3226, 19.5261, 20.7343

## Tritanomaly

23.6748, 19.4849, 19.3428

# Monochromacy



## Original Color

24.0815, 19.5076, 20.9085

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

20.9317, 19.9876, 21.8235

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.0815, 19.5076, 20.9085 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(165, 105, 122)` looks like.

```
.text, #text, p{  
    color:rgb(165, 105, 122)  
}
```

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(165, 105, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 105, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 24.0815, 19.5076, 20.9085 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(165, 105, 122) }
```



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

```
.border{ border-color:rgb(165, 105, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 105, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 105, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 105, 122);  
box-shadow:4px 4px 4px 4px rgb(165, 105,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.0815, 19.5076, 20.9085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 105, 122) }
```

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

```
.background{ background-color: rgb(165,  
105, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor