

# Converting Colors

XYZ(24.2426, 20.1014, 16.7359)

Have a look what the booklet for  
XYZ(24.2426, 20.1014, 16.7359)  
contains.

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# Color

**XYZ(24.2178, 20.1327,  
16.7969)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A86C6C
RGB	168, 108, 108
RGB Percent	66%, 42%, 42%
CMY	0.3412, 0.5765, 0.5765
CMYK	0.00, 0.36, 0.36, 0.34
HSL	0°, 26%, 54%
HSV	0°, 36%, 66%
XYZ	24.2178, 20.1327, 16.7969
YIQ	125.9400, 35.7600, 12.7200

# Conversions

## Conversions Part 2

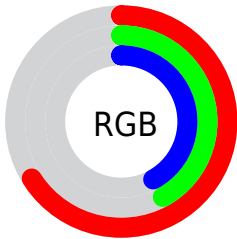
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 108, 108
Decimal	11037804
CIE <sub>Lab</sub>	51.99, 23.94, 9.96
CIE <sub>LCh</sub>	52, 25.923, 22.583
Yxy	20.1327, 0.3961, 0.3292
Android (android.graphics.Color)	4289227884 (0xFFA86C6C)
YUV	125.9400, -8.8444, 36.8866
Hunter-Lab	44.8695, 17.8218, 9.2134

# Details

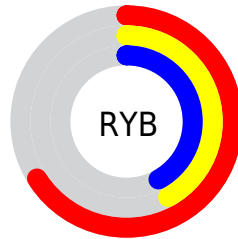
The XYZ color **24.2178, 20.1327, 16.7969** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.2542, 34.0192, 42.1757**, and the grayscale version is **19.8319, 20.8647, 22.7217**.

A 20% lighter version of the original color is **49.8802, 43.6524, 38.5977**, and **9.3457, 7.0423, 5.2816** is the 20% darker color. If you saturate the color by 10%, you get **21.8042, 16.6010, 11.9981**, and if you desaturate by 10%, it is **27.1462, 24.4180, 22.6177**.

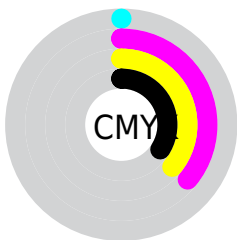
# Distribution



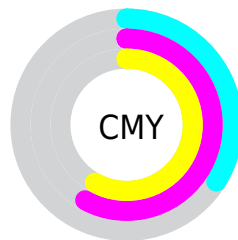
- Red (66%)
- Green (42%)
- Blue (42%)



- Red (66%)
- Yellow (42%)
- Blue (42%)



- Cyan (0%)
- Magenta (36%)
- Yellow (36%)
- Black (34%)




- Cyan (34%)
- Magenta (58%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2178, 20.1327, 16.7969 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 24.2178, 20.1327, 16.7969 by changing the saturation by 10% instead.





 24.2178, 20.1327,  
16.7969


 24.2178, 20.1327,  
16.7969


266.3398,  
252.6326, 246.0034


 15.6209, 12.4915,  
9.9294


 49.8375, 43.6396,  
38.7621


 9.3454, 7.0794,  
5.2472


 67.5909, 60.2740,  
54.6968

 5.0261, 3.5118,  
2.3317

 89.1273, 80.6751,  
74.4911

 2.2975, 1.4044,  
0.7489

 114.8119,  
105.2271, 98.5633

 0.7934, 0.2200,  
0.0000

145.0101,  
134.3144, 127.3322

 0.0000, 0.0000,  
0.0000

180.0872,

168.3216, 161.2161

220.4087,  
207.6328, 200.6337

■ 24.2178, 20.1327,  
16.7969

■ 24.2178, 20.1327,  
16.7969

■ 21.8042, 16.6010,  
11.9981

■ 27.1462, 24.4180,  
22.6177

■ 19.8741, 13.7767,  
8.1613

■ 30.6150, 29.4938,  
29.5136

■ 18.3954, 11.6130,  
5.2219

■ 34.6500, 35.3982,  
37.5352


■ 17.3316, 10.0563,  
3.1072

■ 39.2750, 42.1658,  
46.7297


■ 16.6402, 9.0445,  
1.7329

■ 44.5124, 49.8295,  
57.1416

 16.2662, 8.4972,  
0.9896

 50.3834, 58.4203,  
68.8131

 16.1486, 8.3251,  
0.7558

 56.9081, 67.9677,  
81.7843

 64.1058, 78.4999,  
96.0936

 69.9585, 87.0648,  
107.7257

# Harmonies

## Analogous

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



24.6259, 20.1327, 23.8527



24.2178, 20.1327, 16.7969



22.3900, 20.1327, 12.2801

# Triad

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



24.2178, 20.1327, 16.7969



15.3790, 20.1327, 14.2184



18.4874, 20.1327, 39.7371

# Complementary

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



24.2178, 20.1327, 16.7969



27.2542, 34.0192, 42.1757

# 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.



16.2128, 20.1327, 35.6199



24.2178, 20.1327, 16.7969



14.5286, 20.1327, 20.0967

# Square

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



24.2178, 20.1327, 16.7969



17.2509, 20.1327, 11.0479



14.8192, 20.1327, 27.9939



21.1527, 20.1327, 38.2783



# Rectangle

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



24.2178, 20.1327, 16.7969



20.6962, 20.1327, 10.7664



14.8192, 20.1327, 27.9939



17.6554, 20.1327, 38.9322

# Sweetspot

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



24.2183, 20.1337, 16.7973



58.7293, 58.1651, 59.8664



28.5790, 21.8773, 39.7623



12.5985, 12.3821, 12.6469



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.



24.2183, 20.1337, 16.7973



40.3400, 31.2564, 23.3093



27.9438, 27.5846, 18.0391



7.5312, 7.5424, 7.8482



12.1948, 6.2868, 0.5707



0.2967, 0.1530, 0.0139



# Inverse Universe

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



27.2542, 34.0192, 42.1757



46.6915, 60.3068, 76.4046



22.3408, 24.1924, 40.5379



7.7475, 8.5320, 9.6568



15.9101, 23.2803, 31.6305



0.3871, 0.5664, 0.7696



# Previews

## White Background



This preview shows how the XYZ color 24.2178, 20.1327, 16.7969 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

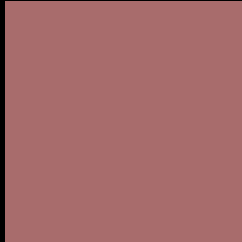
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.2178, 20.1327, 16.7969 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 24.2178, 20.1327, 16.7969**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.2178, 20.1327, 16.7969.



This preview shows how white text looks on a background with the XYZ color 24.2178, 20.1327,



# 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

24.2178, 20.1327, 16.7969

### Protanopia

19.2621, 20.2655, 19.4194

### Deuteranopia

20.6457, 20.3132, 16.4684



## Tritanopia

24.7144, 20.1882, 18.8138

# Trichromacy



## Original Color

24.2178, 20.1327, 16.7969

## Protanomaly

20.7868, 19.9888, 18.3854

## Deuteranomaly

21.8481, 20.2277, 16.6627

## Tritanomaly

24.5445, 20.1203, 17.9192

# Monochromacy



## Original Color

24.2178, 20.1327, 16.7969

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

20.9111, 20.1883, 20.2474

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.2178, 20.1327, 16.7969 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(168, 108, 108)` looks like.

```
.text, #text, p{  
    color:rgb(168, 108, 108)  
}
```

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(168, 108, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 108, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 24.2178, 20.1327, 16.7969 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(168, 108, 108) }
```



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

```
.border{ border-color:rgb(168, 108, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 108, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 108, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 108, 108);  
box-shadow:4px 4px 4px 4px rgb(168, 108,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.2178, 20.1327, 16.7969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 108, 108) }
```

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

```
.background{ background-color: rgb(168,  
108, 108) }
```

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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