

# Converting Colors

XYZ(22.3126, 17.2397, 26.4897)

Have a look what the booklet for  
XYZ(22.3126, 17.2397, 26.4897)  
contains.

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# Color

**XYZ(22.3606, 17.1984,  
26.5672)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9B608B
RGB	155, 96, 139
RGB Percent	61%, 38%, 55%
CMY	0.3922, 0.6235, 0.4549
CMYK	0.00, 0.38, 0.10, 0.39
HSL	316°, 24%, 49%
HSV	316°, 38%, 61%
XYZ	22.3606, 17.1984, 26.5672
YIQ	118.5430, 21.3610, 25.8810

# Conversions

## Conversions Part 2

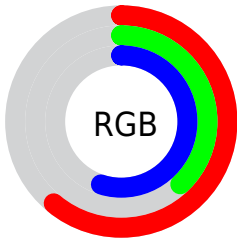
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 96, 139
Decimal	10182795
CIE <sub>Lab</sub>	48.51, 30.61, -13.75
CIE <sub>LCh</sub>	49, 33.555, 335.804
Yxy	17.1984, 0.3382, 0.2601
Android (android.graphics.Color)	4288372875 (0xFF9B608B)
YUV	118.5430, 10.0853, 31.9728
Hunter-Lab	41.4710, 23.6707, -8.9528

# Details

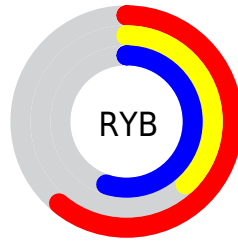
The XYZ color **22.3606, 17.1984, 26.5672** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.4705, 27.0998, 19.5349**, and the grayscale version is **17.3554, 18.2592, 19.8843**.

A 20% lighter version of the original color is **46.7939, 38.7317, 55.4617**, and **8.3396, 5.6600, 10.1041** is the 20% darker color. If you saturate the color by 10%, you get **20.7822, 14.5236, 24.5548**, and if you desaturate by 10%, it is **24.2307, 20.4372, 28.7355**.

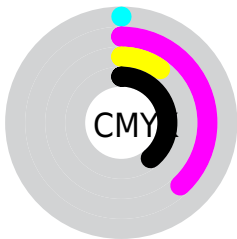
# Distribution



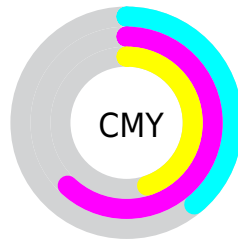
- Red (61%)
- Green (38%)
- Blue (55%)



- Red (61%)
- Yellow (38%)
- Blue (55%)



- Cyan (0%)
- Magenta (38%)
- Yellow (10%)
- Black (39%)




- Cyan (39%)
- Magenta (62%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3606, 17.1984, 26.5672 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 22.3606, 17.1984, 26.5672 by changing the saturation by 10% instead.





 22.3606, 17.1984,  
26.5672


 22.3606, 17.1984,  
26.5672


257.0208,  
236.3131, 299.2490


 14.2402, 10.3760,  
17.0189


 46.8157, 38.6666,  
55.1838


 8.3707, 5.6490,  
10.0859


 63.8811, 54.0812,  
75.0893

 4.3869, 2.6328,  
5.3496

 84.6589, 73.1287,  
99.2841

 1.9232, 0.9432,  
2.3915

 109.5144, 96.1935,  
128.1870

 0.5903, 0.0000,  
0.7818

138.8130,  
123.6599, 162.2163

 0.0000, 0.0000,  
0.0000

172.9200,

155.9124, 201.7908

212.2008,  
193.3353, 247.3288

■ 22.3606, 17.1984,  
26.5672

■ 22.3606, 17.1984,  
26.5672

■ 20.7822, 14.5236,  
24.5548

■ 24.2307, 20.4372,  
28.7355

■ 19.4774, 12.3773,  
22.6910

■ 26.4061, 24.2678,  
31.0643

■ 18.4283, 10.7241,  
20.9695

■ 28.9015, 28.7193,  
33.5593

■ 17.6142, 9.5226,  
19.3826

■ 31.7303, 33.8178,  
36.2255

■ 17.0112, 8.7253,  
17.9217

■ 34.9049, 39.5882,  
39.0678

■ 16.5749, 8.2437,  
16.5713

■ 38.4371, 46.0540,  
42.0907

■ 16.4963, 8.1601,  
16.3179

■ 42.3382, 53.2375,  
45.2985

■ 46.6190, 61.1601,  
48.6954

■ 51.2898, 69.8422,  
52.2854

# Harmonies

## Analogous

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



20.0588, 17.1984, 36.1096



22.3606, 17.1984, 26.5672



22.9693, 17.1984, 17.0641

# Triad

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



22.3606, 17.1984, 26.5672



15.7554, 17.1984, 6.4190



12.0014, 17.1984, 30.4941

# Complementary

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



22.3606, 17.1984, 26.5672



19.4705, 27.0998, 19.5349

# 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.



11.1375, 17.1984, 20.4927



22.3606, 17.1984, 26.5672



13.1232, 17.1984, 8.0694

# Square

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



22.3606, 17.1984, 26.5672



18.8941, 17.1984, 7.1306



11.5209, 17.1984, 12.6030



14.0390, 17.1984, 38.8303



# Rectangle

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



22.3606, 17.1984, 26.5672



22.2743, 17.1984, 12.2751



11.5209, 17.1984, 12.6030



11.5765, 17.1984, 27.1149

# Sweetspot

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



22.3611, 17.1992, 26.5676



50.2871, 48.7968, 58.6595



16.7483, 14.1605, 32.8610



11.2540, 10.8158, 13.1500



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.



22.3611, 17.1992, 26.5676



37.5221, 26.5182, 44.3808



20.5028, 16.4559, 16.7819



6.3897, 6.2950, 7.4322



13.2663, 6.5608, 13.1933



0.2132, 0.1040, 0.2757



# Inverse Universe

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



22.3611, 17.1992, 26.5676



37.5221, 26.5182, 44.3808



21.3709, 27.8599, 29.5420



6.3897, 6.2950, 7.4322



13.2663, 6.5608, 13.1933

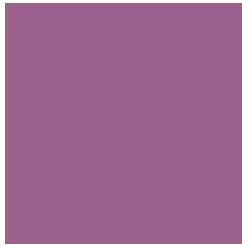


0.2132, 0.1040, 0.2757



# Previews

## White Background



This preview shows how the XYZ color 22.3606, 17.1984, 26.5672 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

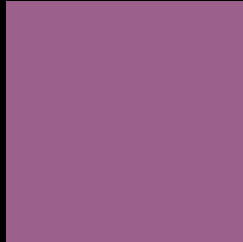
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 22.3606, 17.1984, 26.5672 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

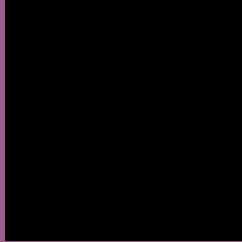
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 22.3606, 17.1984, 26.5672**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.3606, 17.1984, 26.5672.



This preview shows how white text looks on a background with the XYZ color 22.3606, 17.1984,



# 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

22.3606, 17.1984, 26.5672

### Protanopia

17.5105, 17.3049, 32.1230

### Deuteranopia

17.6852, 17.3697, 25.7131



## Tritanopia

20.4606, 17.2823, 16.7254

# Trichromacy



## Original Color

22.3606, 17.1984, 26.5672

## Protanomaly

18.6925, 16.8329, 29.8676

## Deuteranomaly

19.1331, 17.1468, 25.9682

## Tritanomaly

21.0842, 17.2427, 19.9862

# Monochromacy



## Original Color

22.3606, 17.1984, 26.5672

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

18.9661, 17.7808, 22.1711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.3606, 17.1984, 26.5672 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(155, 96, 139)` looks like.

```
.text, #text, p{  
    color:rgb(155, 96, 139)  
}
```

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(155, 96, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 96, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 22.3606, 17.1984, 26.5672 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(155, 96, 139) }
```



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

```
.border{ border-color:rgb(155, 96, 139) }
```

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

Here you see how a box with a 4 pixel rgb(155, 96, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 96, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 96, 139);  
box-shadow:4px 4px 4px 4px rgb(155, 96,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.3606, 17.1984, 26.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 96, 139) }
```

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

```
.background{ background-color: rgb(155, 96,  
139) }
```

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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