

# Converting Colors

XYZ(27.9860, 23.0013, 37.5845)

Have a look what the booklet for  
XYZ(27.9860, 23.0013, 37.5845)  
contains.

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# Color

**XYZ(27.9605, 22.9217,  
37.6010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A374A3
RGB	163, 116, 163
RGB Percent	64%, 45%, 64%
CMY	0.3608, 0.5451, 0.3608
CMYK	0.00, 0.29, 0.00, 0.36
HSL	300°, 20%, 55%
HSV	300°, 29%, 64%
XYZ	27.9605, 22.9217, 37.6010
YIQ	135.4110, 12.9250, 24.5810

# Conversions

## Conversions Part 2

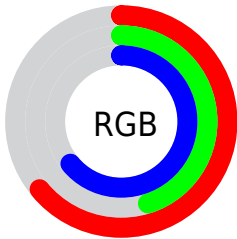
Format	Color
R <sub>Y</sub> B	163, 116, 163
Decimal	10712227
CIE Lab	54.99, 26.54, -17.92
CIE LCh	55, 32.020, 325.974
Yxy	22.9217, 0.3160, 0.2591
Android (android.graphics.Color)	4288902307 (0xFFA374A3)
YUV	135.4110, 13.6014, 24.1956
Hunter-Lab	47.8766, 20.4620, -13.0511

# Details

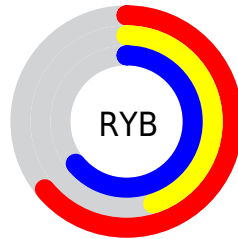
The XYZ color **27.9605, 22.9217, 37.6010** is a light color, and the websafe version is hex **996699**. A complement of this color would be **23.4530, 31.1690, 21.3044**, and the grayscale version is **23.1301, 24.3347, 26.5004**.

A 20% lighter version of the original color is **56.0563, 48.4980, 72.7362**, and **11.3068, 8.4770, 16.0792** is the 20% darker color. If you saturate the color by 10%, you get **26.2442, 19.4886, 37.0291**, and if you desaturate by 10%, it is **30.0079, 27.0161, 38.2837**.

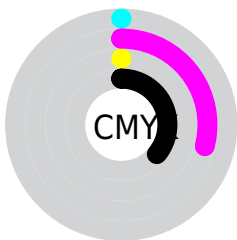
# Distribution



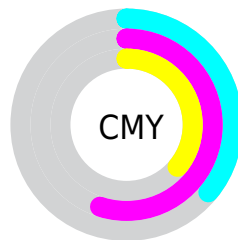
- Red (64%)
- Green (45%)
- Blue (64%)



- Red (64%)
- Yellow (45%)
- Blue (64%)



- Cyan (0%)
- Magenta (29%)
- Yellow (0%)
- Black (36%)



- Cyan (36%)
- Magenta (55%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9605, 22.9217, 37.6010 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 27.9605, 22.9217, 37.6010 by changing the saturation by 10% instead.



■ 27.9605, 22.9217,  
37.6010

■ 27.9605, 22.9217,  
37.6010

284.3616,  
267.3226, 351.1520

■ 18.4362, 14.5357,  
25.3737

■ 55.8305, 48.2647,  
72.6928

■ 11.3652, 8.4942,  
16.1342

■ 74.9068, 65.9905,  
96.3944

■ 6.3821, 4.4128,  
9.4638

■ 97.8979, 87.5984,  
124.7579

■ 3.1216, 1.9070,  
4.9440

125.1691,  
113.4728, 158.2017

■ 1.2184, 0.5526,  
2.1563

157.0857,  
143.9980, 197.1445

■ 0.1208, 0.0000,  
0.6490

194.0130,

■ 0.0000, 0.0000,

179.5584, 242.0048

0.0000

236.3166,  
220.5385, 293.2011

■ 27.9605, 22.9217,  
37.6010

■ 27.9605, 22.9217,  
37.6010

■ 26.2442, 19.4886,  
37.0291

■ 30.0079, 27.0161,  
38.2837

■ 24.8396, 16.6795,  
36.5609

■ 32.4003, 31.8009,  
39.0812

■ 23.7287, 14.4576,  
36.1906

■ 35.1533, 37.3068,  
39.9989

■ 22.8906, 12.7815,  
35.9112

■ 38.2808, 43.5619,  
41.0415

■ 22.3019, 11.6040,  
35.7149

■ 41.7964, 50.5930,  
42.2133

■ 21.9350, 10.8702,  
35.5926

■ 45.7125, 58.4253,  
43.5187

■ 21.7360, 10.4723,  
35.5263

■ 50.0413, 67.0829,  
44.9617

■ 21.7153, 10.4310,  
35.5194

■ 54.7944, 76.5890,  
46.5461

■ 57.4754, 81.9510,  
47.4397

# Harmonies

## Analogous

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



24.9211, 22.9217, 47.0326



27.9605, 22.9217, 37.6010



29.3458, 22.9217, 26.3584

# Triad

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



27.9605, 22.9217, 37.6010



22.2701, 22.9217, 10.0742



16.1982, 22.9217, 34.5568

# Complementary

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



27.9605, 22.9217, 37.6010



23.4530, 31.1690, 21.3044

# 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.



15.6513, 22.9217, 23.6077



27.9605, 22.9217, 37.6010



18.9262, 22.9217, 11.1656

# Square

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



27.9605, 22.9217, 37.6010



25.8419, 22.9217, 11.9895



16.5955, 22.9217, 15.5236



18.1790, 22.9217, 44.9655



# Rectangle

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



27.9605, 22.9217, 37.6010



29.0453, 22.9217, 19.9461



16.5955, 22.9217, 15.5236



15.8505, 22.9217, 30.7457

# Sweetspot

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



27.9612, 22.9227, 37.6015



57.8721, 56.6449, 69.9394



20.0598, 18.8494, 37.2318



12.8555, 12.4377, 15.6607



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.



27.9612, 22.9227, 37.6015



47.9174, 36.7354, 66.6211



26.0473, 22.1571, 27.5229



7.3644, 7.2022, 8.9051



16.8767, 8.1067, 27.6049



0.3546, 0.1703, 0.5800



# Inverse Universe

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



27.9612, 22.9227, 37.6015



47.9174, 36.7354, 66.6211



24.9974, 31.7868, 29.4370



7.3644, 7.2022, 8.9051



16.8767, 8.1067, 27.6049

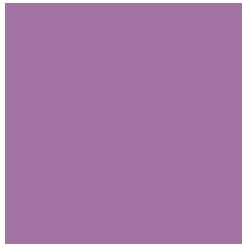


0.3546, 0.1703, 0.5800



# Previews

## White Background



This preview shows how the XYZ color 27.9605, 22.9217, 37.6010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

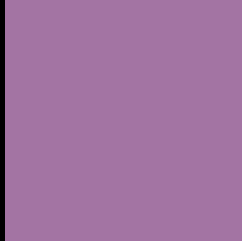
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.9605, 22.9217, 37.6010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

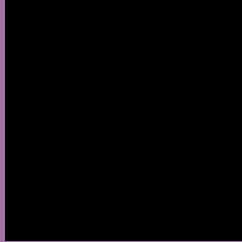
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.9605, 22.9217, 37.6010**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.9605, 22.9217, 37.6010.



This preview shows how white text looks on a background with the XYZ color 27.9605, 22.9217,



# 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

27.9605, 22.9217, 37.6010

### Protanopia

23.2712, 22.9755, 42.7433

### Deuteranopia

23.4892, 23.0195, 36.9234



## Tritanopia

25.3543, 22.9287, 24.5621

# Trichromacy



## Original Color

27.9605, 22.9217, 37.6010

## Protanomaly

24.6484, 22.7660, 40.6313

## Deuteranomaly

24.8846, 22.7747, 37.2668

## Tritanomaly

26.1716, 22.8897, 29.0254

# Monochromacy



## Original Color

27.9605, 22.9217, 37.6010

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

24.5071, 23.5024, 30.0328

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.9605, 22.9217, 37.6010 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(163, 116, 163)` looks like.

```
.text, #text, p{  
    color:rgb(163, 116, 163)  
}
```

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(163, 116, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 116, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 27.9605, 22.9217, 37.6010 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(163, 116, 163) }
```



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

```
.border{ border-color:rgb(163, 116, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 116, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 116, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 116, 163);  
box-shadow:4px 4px 4px 4px rgb(163, 116,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.9605, 22.9217, 37.6010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 116, 163) }
```

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

```
.background{ background-color: rgb(163,  
116, 163) }
```

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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