

# Converting Colors

XYZ(27.3721, 21.8403, 39.5426)

Have a look what the booklet for  
XYZ(27.3721, 21.8403, 39.5426)  
contains.

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# Color

**XYZ(27.4672, 21.9554,  
39.3494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A170A7
RGB	161, 112, 167
RGB Percent	63%, 44%, 65%
CMY	0.3686, 0.5608, 0.3451
CMYK	0.04, 0.33, 0.00, 0.35
HSL	293°, 24%, 55%
HSV	293°, 33%, 65%
XYZ	27.4672, 21.9554, 39.3494
YIQ	132.9210, 11.5490, 27.4930

# Conversions

## Conversions Part 2

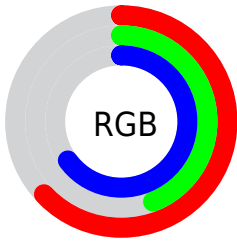
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">161, 112, 167</a>
Decimal	<a href="#">10580135</a>
CIELab	<a href="#">53.98, 28.93, -21.80</a>
CIElCh	<a href="#">54, 36.229, 322.997</a>
Yxy	<a href="#">21.9554, 0.3094, 0.2473</a>
Android (android.graphics.Color)	<a href="#">4288770215 (0xFFA170A7)</a>
YUV	<a href="#">132.9210, 16.8009, 24.6253</a>
Hunter-Lab	<a href="#">46.8566, 22.6372, -16.9912</a>

# Details

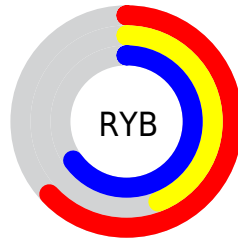
The XYZ color **27.4672, 21.9554, 39.3494** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.2152, 32.6594, 20.3578**, and the grayscale version is **22.2041, 23.3604, 25.4395**.

A 20% lighter version of the original color is **55.0755, 46.5766, 75.1946**, and **11.0564, 7.9810, 17.1774** is the 20% darker color. If you saturate the color by 10%, you get **25.4285, 18.4185, 38.7745**, and if you desaturate by 10%, it is **29.8544, 26.1804, 40.0394**.

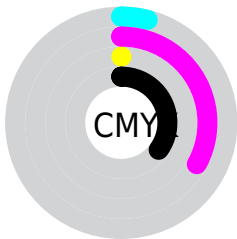
# Distribution



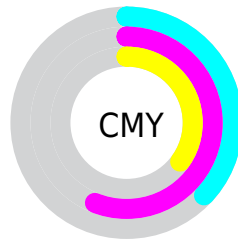
- Red (63%)
- Green (44%)
- Blue (65%)



- Red (63%)
- Yellow (44%)
- Blue (65%)



- Cyan (4%)
- Magenta (33%)
- Yellow (0%)
- Black (35%)




- Cyan (37%)
- Magenta (56%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4672, 21.9554, 39.3494 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 27.4672, 21.9554, 39.3494 by changing the saturation by 10% instead.





 27.4672, 21.9554,  
39.3494


 27.4672, 21.9554,  
39.3494


282.0386,  
262.3133, 358.8439


 18.0628, 13.8241,  
26.7217


 55.0473, 46.6723,  
75.3980

 11.0951, 7.9984,  
17.1338


 73.9537, 64.0267,  
99.6560

 6.1986, 4.0940,  
10.1669


 96.7581, 85.2242,  
128.6279

 3.0080, 1.7263,  
5.4027

 123.8260,  
110.6493, 162.7321

 1.1580, 0.4406,  
2.4226

155.5226,  
140.6864, 202.3873

 0.0728, 0.0000,  
0.7987

192.2134,

 0.0000, 0.0000,

175.7198, 248.0120

0.0000

234.2636,  
216.1340, 300.0247

■ 27.4672, 21.9554,  
39.3494

■ 27.4672, 21.9554,  
39.3494

■ 25.4285, 18.4185,  
38.7745

■ 29.8544, 26.1804,  
40.0394

■ 23.7172, 15.5291,  
38.3070

■ 32.6056, 31.1257,  
40.8489

■ 22.3132, 13.2465,  
37.9404

■ 35.7376, 36.8247,  
41.7839

■ 21.1935, 11.5244,  
37.6670

■ 39.2658, 43.3081,  
42.8494

■ 20.3313, 10.3097,  
37.4780

■ 43.2046, 50.6047,  
44.0501

■ 19.6950, 9.5390,  
37.3628

■ 47.5678, 58.7419,  
45.3908

■ 19.3302, 9.1593,  
37.3087

■ 52.3685, 67.7459,  
46.8757

■ 57.6191, 77.6415,  
48.5091

■ 60.9571, 83.7038,  
49.5033

# Harmonies

## Analogous

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



23.9456, 21.9554, 49.7124



27.4672, 21.9554, 39.3494



29.2560, 21.9554, 26.6283

# Triad

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



27.4672, 21.9554, 39.3494



21.7981, 21.9554, 8.2692



14.6834, 21.9554, 33.3445

# Complementary

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



27.4672, 21.9554, 39.3494



24.2152, 32.6594, 20.3578

# 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.



14.2592, 21.9554, 21.3753



27.4672, 21.9554, 39.3494



18.0660, 21.9554, 9.0572

# Square

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



27.4672, 21.9554, 39.3494



25.7284, 21.9554, 10.5025



15.4207, 21.9554, 13.1463



16.6618, 21.9554, 45.5567



# Rectangle

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



27.4672, 21.9554, 39.3494



29.0853, 21.9554, 19.3822



15.4207, 21.9554, 13.1463



14.3654, 21.9554, 29.0833

# Sweetspot

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



27.4679, 21.9564, 39.3499



59.8680, 58.4148, 73.5951



20.1856, 19.2910, 39.2192



13.2338, 12.7756, 16.4206



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.



27.4679, 21.9564, 39.3499



46.2951, 34.2829, 69.6525



26.9130, 21.8774, 29.9652



7.7601, 7.6245, 9.4810



14.8167, 7.0217, 28.5499



0.3826, 0.1822, 0.6957



# Inverse Universe

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



25.0012, 21.1127, 19.8978



41.2277, 32.5709, 28.7348



24.7409, 32.7785, 27.2443



7.5631, 7.5551, 8.0168



12.2892, 6.3244, 1.0685



0.3089, 0.1578, 0.0781



# Previews

## White Background



This preview shows how the XYZ color 27.4672, 21.9554, 39.3494 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

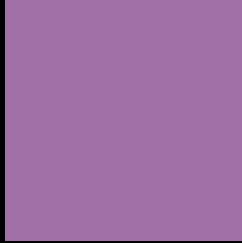
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.4672, 21.9554, 39.3494 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 27.4672, 21.9554, 39.3494**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.4672, 21.9554, 39.3494.



This preview shows how white text looks on a background with the XYZ color 27.4672, 21.9554,



# 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

27.4672, 21.9554, 39.3494

### Protanopia

22.7953, 22.2704, 45.7450

### Deuteranopia

22.6024, 22.1442, 38.2049



## Tritanopia

24.3892, 22.0858, 23.7464

# Trichromacy



## Original Color

27.4672, 21.9554, 39.3494

## Protanomaly

24.0575, 21.8395, 43.5049

## Deuteranomaly

24.0676, 21.9540, 38.5664

## Tritanomaly

25.4198, 21.9749, 28.8884

# Monochromacy



## Original Color

27.4672, 21.9554, 39.3494

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

23.7721, 22.5512, 29.8880

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4672, 21.9554, 39.3494 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(161, 112, 167)` looks like.

```
.text, #text, p{  
    color:rgb(161, 112, 167)  
}
```

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(161, 112, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 112, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4672, 21.9554, 39.3494 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(161, 112, 167) }
```



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

```
.border{ border-color:rgb(161, 112, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 112, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 112, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 112, 167);  
box-shadow:4px 4px 4px 4px rgb(161, 112,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.4672, 21.9554, 39.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 112, 167) }
```

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

```
.background{ background-color: rgb(161,  
112, 167) }
```

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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