

# Converting Colors

XYZ(29.0599, 22.3996, 39.2328)

Have a look what the booklet for  
XYZ(29.0599, 22.3996, 39.2328)  
contains.

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# Color

**XYZ(29.1285, 22.4879,  
39.3646)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA6EA7
RGB	170, 110, 167
RGB Percent	67%, 43%, 65%
CMY	0.3333, 0.5686, 0.3451
CMYK	0.00, 0.35, 0.02, 0.33
HSL	303°, 26%, 55%
HSV	303°, 35%, 67%
XYZ	29.1285, 22.4879, 39.3646
YIQ	134.4380, 17.4630, 30.4470

# Conversions

## Conversions Part 2

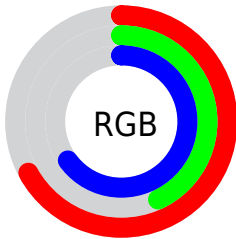
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 110, 167
Decimal	11169447
CIE <sub>Lab</sub>	54.54, 33.05, -20.85
CIE <sub>LCh</sub>	55, 39.078, 327.746
Yxy	22.4879, 0.3202, 0.2472
Android (android.graphics.Color)	4289359527 (0xFFAA6EA7)
YUV	134.4380, 16.0531, 31.1879
Hunter-Lab	47.4214, 26.6558, -16.0218

# Details

The XYZ color **29.1285, 22.4879, 39.3646** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.7866, 33.2574, 20.7896**, and the grayscale version is **22.7600, 23.9453, 26.0764**.

A 20% lighter version of the original color is **57.6460, 47.6371, 75.2638**, and **12.0465, 8.2514, 17.1774** is the 20% darker color. If you saturate the color by 10%, you get **27.3892, 19.1342, 38.3986**, and if you desaturate by 10%, it is **31.2216, 26.5475, 40.4516**.

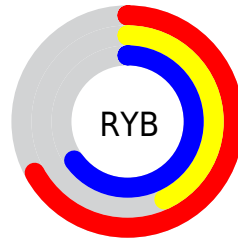
# Distribution



Red (67%)

Green (43%)

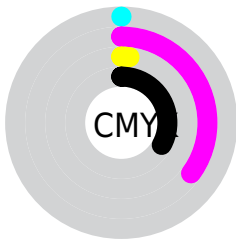
Blue (65%)



Red (67%)

Yellow (43%)

Blue (65%)

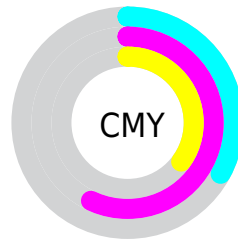


Cyan (0%)

Magenta (35%)

Yellow (2%)

Black (33%)



Cyan (33%)

Magenta (57%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1285, 22.4879, 39.3646 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 29.1285, 22.4879, 39.3646 by changing the saturation by 10% instead.




 29.1285, 22.4879,  
39.3646


 29.1285, 22.4879,  
39.3646


289.8040,  
265.0837, 358.9103


 19.3228, 14.2158,  
26.7335

 57.6773, 47.5511,  
75.4214

 12.0092, 8.2709,  
17.1425


 77.1512, 65.1110,  
99.6842

 6.8222, 4.2688,  
10.1731


 100.5785, 86.5356,  
128.6613

 3.3965, 1.8250,  
5.4068

 128.3246,  
112.2094, 162.7713

 1.3667, 0.5027,  
2.4250

160.7548,  
142.5167, 202.4326

 0.2323, 0.0000,  
0.8000

198.2346,

 0.0000, 0.0000,

177.8419, 248.0638

0.0000

241.1292,  
218.5695, 300.0836

■ 29.1285, 22.4879,  
39.3646

■ 29.1285, 22.4879,  
39.3646

■ 27.3892, 19.1342,  
38.3986

■ 31.2216, 26.5475,  
40.4516

■ 25.9814, 16.4431,  
37.5454

■ 33.6850, 31.3473,  
41.6643

■ 24.8835, 14.3711,  
36.7980

■ 36.5366, 36.9227,  
43.0090

■ 24.0706, 12.8682,  
36.1482

■ 39.7927, 43.3061,  
44.4911

■ 23.5140, 11.8770,  
35.5863

■ 43.4685, 50.5282,  
46.1156

■ 23.1773, 11.3250,  
35.1003

■ 47.5785, 58.6178,  
47.8874

■ 23.0550, 11.1370,  
34.8844

■ 52.1364, 67.6025,  
49.8112

■ 57.1555, 77.5087,  
51.8912

■ 60.0414, 83.1476,  
53.2628

# Harmonies

## Analogous

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



25.4449, 22.4879, 51.8767



29.1285, 22.4879, 39.3646



30.7117, 22.4879, 25.4256

# Triad

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



29.1285, 22.4879, 39.3646



21.6998, 22.4879, 7.6631



14.8786, 22.4879, 37.1991

# Complementary

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



29.1285, 22.4879, 39.3646



23.7866, 33.2574, 20.7896

# 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.



14.1516, 22.4879, 23.5689



29.1285, 22.4879, 39.3646



17.7624, 22.4879, 8.9740

# Square

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



29.1285, 22.4879, 39.3646



26.0807, 22.4879, 9.4579



15.1347, 22.4879, 13.9261



17.2707, 22.4879, 50.3604



# Rectangle

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



29.1285, 22.4879, 39.3646



30.2231, 22.4879, 17.9732



15.1347, 22.4879, 13.9261



14.4466, 22.4879, 32.4069

# Sweetspot

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



29.1292, 22.4889, 39.3651



63.1479, 60.8422, 76.5637



19.6427, 17.5660, 40.3859



13.9345, 13.2793, 17.0039



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



29.1292, 22.4889, 39.3651



50.4347, 36.1401, 70.0933



26.6696, 21.5051, 26.4131



7.8255, 7.6600, 9.3981



16.9656, 8.1949, 25.6939



0.4175, 0.2013, 0.6501



# Inverse Universe

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



29.1292, 22.4889, 39.3651



50.4347, 36.1401, 70.0933



25.7639, 34.0483, 31.2016



7.8255, 7.6600, 9.3981



16.9656, 8.1949, 25.6939



0.4175, 0.2013, 0.6501



# Previews

## White Background



This preview shows how the XYZ color 29.1285, 22.4879, 39.3646 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 29.1285, 22.4879, 39.3646 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

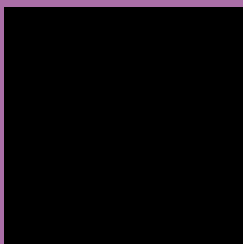
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 29.1285, 22.4879, 39.3646**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.1285, 22.4879, 39.3646.



This preview shows how white text looks on a background with the XYZ color 29.1285, 22.4879,



# 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

29.1285, 22.4879, 39.3646

### Protanopia

23.2610, 22.6815, 46.8681

### Deuteranopia

23.1724, 22.6307, 38.2688



## Tritanopia

25.8262, 22.4885, 23.0582

# Trichromacy



**Original Color**

29.1285, 22.4879, 39.3646

**Protanomaly**

24.7877, 22.2046, 44.0538

**Deuteranomaly**

24.9566, 22.2310, 38.5730

**Tritanomaly**

26.9496, 22.4300, 28.5002

# Monochromacy



**Original Color**

29.1285, 22.4879, 39.3646

**Achromatopsia**

22.6597, 23.8398, 25.9615

**Achromatomaly**

24.5545, 22.9456, 30.3289

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.1285, 22.4879, 39.3646 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(170, 110, 167)` looks like.

```
.text, #text, p{  
    color:rgb(170, 110, 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(170, 110, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 110, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 29.1285, 22.4879, 39.3646 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(170, 110, 167) }
```



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

```
.border{ border-color:rgb(170, 110, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 110, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 110, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 110, 167);  
box-shadow:4px 4px 4px 4px rgb(170, 110,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.1285, 22.4879, 39.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 110, 167) }
```

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

```
.background{ background-color: rgb(170,  
110, 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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