

# Converting Colors

XYZ(39.6134, 27.6577, 37.0398)

Have a look what the booklet for  
XYZ(39.6134, 27.6577, 37.0398)  
contains.

<b>XYZ(39.5271, 27.5945, 36.9612)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(39.5271, 27.5945,  
36.9612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D66CA1
RGB	214, 108, 161
RGB Percent	84%, 42%, 63%
CMY	0.1608, 0.5764, 0.3686
CMYK	0.00, 0.50, 0.25, 0.16
HSL	330°, 56%, 63%
HSV	330°, 50%, 84%
XYZ	39.5271, 27.5945, 36.9612
YIQ	145.7360, 46.1630, 38.9550

# Conversions

## Conversions Part 2

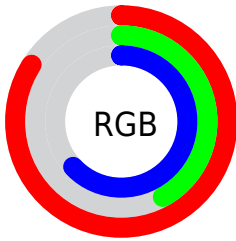
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 108, 161
Decimal	14052513
CIE <sub>Lab</sub>	59.52, 47.69, -9.31
CIE <sub>LCh</sub>	60, 48.592, 348.956
Yxy	27.5945, 0.3798, 0.2651
Android (android.graphics.Color)	4292242593 (0xFFD66CA1)
YUV	145.7360, 7.5252, 59.8675
Hunter-Lab	52.5305, 42.3859, -4.9460

# Details

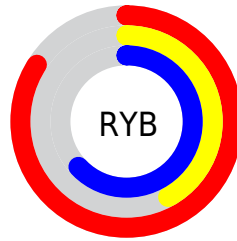
The XYZ color **39.5271, 27.5945, 36.9612** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **36.6652, 53.8551, 42.1835**, and the grayscale version is **27.1715, 28.5865, 31.1307**.

A 20% lighter version of the original color is **66.5550, 52.0585, 71.5062**, and **18.0311, 11.0046, 15.6418** is the 20% darker color. If you saturate the color by 10%, you get **36.6372, 23.2607, 31.5398**, and if you desaturate by 10%, it is **43.0532, 33.0710, 42.9936**.

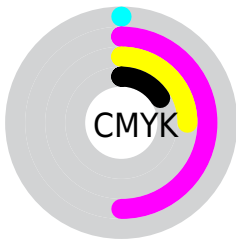
# Distribution



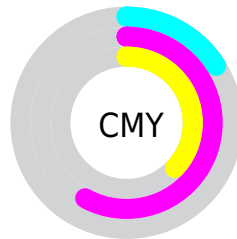
- Red (84%)
- Green (42%)
- Blue (63%)



- Red (84%)
- Yellow (42%)
- Blue (63%)



- Cyan (0%)
- Magenta (50%)
- Yellow (25%)
- Black (16%)




- Cyan (16%)
- Magenta (58%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5271, 27.5945, 36.9612 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 39.5271, 27.5945, 36.9612 by changing the saturation by 10% instead.




 39.5271, 27.5945,  
36.9612


 39.5271, 27.5945,  
36.9612


335.2950,  
290.5242, 348.3061


 27.3526, 18.0202,  
24.8819


 73.7318, 55.8364,  
71.6988


 17.9762, 10.9645,  
15.7709


 96.4927, 75.2728,  
95.1941

 11.0325, 6.0430,  
9.2096


 123.5131, 98.7653,  
123.3319

 6.1561, 2.8712,  
4.7794

 155.1583,  
126.6984, 156.5306

 2.9818, 1.0649,  
2.0620

191.7938,  
159.4565, 195.2089

 1.1441, 0.0000,  
0.5930

233.7848,

 0.0616, 0.0000,

197.4238, 239.7852

0.0000

281.4968,  
240.9849, 290.6781

■ 0.0000, 0.0000,  
0.0000

■ 39.5271, 27.5945,  
36.9612

■ 39.5271, 27.5945,  
36.9612

■ 36.6372, 23.2607,  
31.5398

■ 43.0532, 33.0710,  
42.9936

■ 34.3379, 19.9821,  
26.7036

■ 47.2521, 39.7611,  
49.6582

■ 32.5808, 17.6654,  
22.4263


■ 52.1605, 47.7346,  
56.9765


■ 31.3082, 16.1984,  
18.6780


■ 57.8113, 57.0549,  
64.9685

■ 30.4226, 15.3901,  
15.4149


■ 64.2356, 67.7811,  
73.6533

 30.3852, 15.3576,  
15.2714

 71.4626, 79.9687,  
83.0490

 78.6180, 91.8667,  
92.8724

 80.2192, 92.5072,  
101.3040

 81.5416, 93.0362,  
108.2678

# Harmonies

## Analogous

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



36.1210, 27.5945, 57.9886



39.5271, 27.5945, 36.9612



38.9783, 27.5945, 20.3898

# Triad

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



39.5271, 27.5945, 36.9612



22.5944, 27.5945, 8.1395



19.2465, 27.5945, 63.2263

# Complementary

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



39.5271, 27.5945, 36.9612



36.6652, 53.8551, 42.1835

# 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.



16.6138, 27.5945, 42.3509



39.5271, 27.5945, 36.9612



18.3292, 27.5945, 12.9282

# Square

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



39.5271, 27.5945, 36.9612



28.5427, 27.5945, 7.6469



16.3063, 27.5945, 24.0516



24.0415, 27.5945, 76.6298



# Rectangle

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



39.5271, 27.5945, 36.9612



36.4626, 27.5945, 13.4708



16.3063, 27.5945, 24.0516



18.1134, 27.5945, 56.5450

# Sweetspot

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



39.5279, 27.5959, 36.9617



81.1105, 76.8057, 89.8110



32.1994, 23.1589, 66.3914



16.9867, 15.8238, 18.6895



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



39.5279, 27.5959, 36.9617



54.4608, 34.5577, 46.8579



35.8019, 26.1055, 17.3410



12.6796, 12.5233, 14.2531



18.4184, 9.3037, 9.5073



1.1527, 0.5779, 0.7935



# Inverse Universe

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



39.5279, 27.5959, 36.9617



54.4608, 34.5577, 46.8579



42.3693, 56.1368, 72.2208



12.6796, 12.5233, 14.2531



18.4184, 9.3037, 9.5073



1.1527, 0.5779, 0.7935



# Previews

## White Background



This preview shows how the XYZ color 39.5271, 27.5945, 36.9612 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

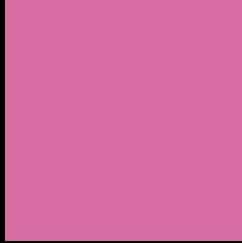
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.5271, 27.5945, 36.9612 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

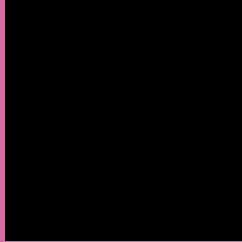
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.5271, 27.5945, 36.9612**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5271, 27.5945, 36.9612.



This preview shows how white text looks on a background with the XYZ color 39.5271, 27.5945,



# 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

39.5271, 27.5945, 36.9612

### Protanopia

27.9976, 27.7932, 49.2364

### Deuteranopia

28.3277, 27.8319, 35.3315



## Tritanopia

36.3472, 27.4183, 22.4453

# Trichromacy



## Original Color

39.5271, 27.5945, 36.9612

## Protanomaly

30.7194, 26.7812, 44.6245

## Deuteranomaly

31.5699, 27.0209, 35.8994

## Tritanomaly

37.1735, 27.2434, 26.9661

# Monochromacy



## Original Color

39.5271, 27.5945, 36.9612

## Achromatopsia

27.3213, 28.7441, 31.3023

## Achromatomaly

30.6318, 27.3948, 32.9514

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5271, 27.5945, 36.9612 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(214, 108, 161)` looks like.

```
.text, #text, p{  
    color:rgb(214, 108, 161)  
}
```

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(214, 108, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 108, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5271, 27.5945, 36.9612 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(214, 108, 161) }
```



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

```
.border{ border-color:rgb(214, 108, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 108, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 108, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 108, 161);  
box-shadow:4px 4px 4px 4px rgb(214, 108,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5271, 27.5945, 36.9612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 108, 161) }
```

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

```
.background{ background-color: rgb(214,  
108, 161) }
```

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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