

# Converting Colors

XYZ(51.3968, 36.9346, 59.8198)

Have a look what the booklet for  
XYZ(51.3968, 36.9346, 59.8198)  
contains.

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# Color

**XYZ(51.3479, 36.9065,  
59.6757)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E781C9
RGB	231, 129, 201
RGB Percent	91%, 51%, 79%
CMY	0.0941, 0.4941, 0.2118
CMYK	0.00, 0.44, 0.13, 0.09
HSL	318°, 68%, 71%
HSV	318°, 44%, 91%
XYZ	51.3479, 36.9065, 59.6757
YIQ	167.7060, 37.6800, 44.0160

# Conversions

## Conversions Part 2

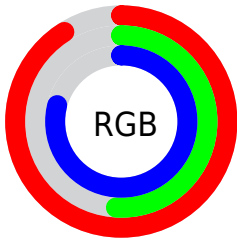
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 129, 201
Decimal	15172041
CIE <sub>Lab</sub>	67.21, 48.57, -20.21
CIE <sub>LCh</sub>	67, 52.610, 337.406
Yxy	36.9065, 0.3471, 0.2495
Android (android.graphics.Color)	4293362121 (0xFFE781C9)
YUV	167.7060, 16.4139, 55.5088
Hunter-Lab	60.7507, 44.5585, -15.7153

# Details

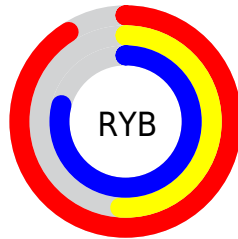
The XYZ color **51.3479, 36.9065, 59.6757** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.8889, 64.3234, 42.9061**, and the grayscale version is **36.9857, 38.9119, 42.3750**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **25.0845, 16.1597, 29.4008** is the 20% darker color. If you saturate the color by 10%, you get **47.8604, 31.1821, 54.6567**, and if you desaturate by 10%, it is **55.5607, 44.0240, 65.1117**.

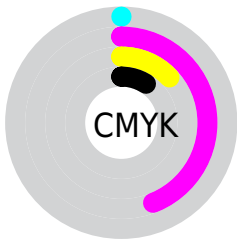
# Distribution



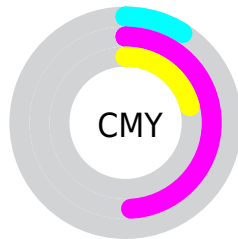
- Red (91%)
- Green (51%)
- Blue (79%)



- Red (91%)
- Yellow (51%)
- Blue (79%)



- Cyan (0%)
- Magenta (44%)
- Yellow (13%)
- Black (9%)




- Cyan (9%)
- Magenta (49%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3479, 36.9065, 59.6757 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 51.3479, 36.9065, 59.6757 by changing the saturation by 10% instead.





 51.3479, 36.9065,  
59.6757


 51.3479, 36.9065,  
59.6757


382.2794,  
332.9055, 441.1728

 36.7077, 25.1351,  
42.7337

 91.3488, 70.4290,  
105.8978

 25.1539, 16.1777,  
29.3464

 117.4401, 92.9488,  
136.0151

 16.3211, 9.6500,  
19.0952


 148.0793,  
119.8203, 171.3611

 9.8439, 5.1675,  
11.5616

183.6316,  
151.4277, 212.3546

 5.3571, 2.3459,  
6.3270

224.4624,  
188.1556, 259.4139

 2.4952, 0.7978,  
2.9729

270.9371,

 0.8928, 0.0000,

230.3883, 312.9577

1.0808

323.4210,  
278.5101, 373.4045

■ 0.0000, 0.0000,  
0.0000

■ 51.3479, 36.9065,  
59.6757

■ 51.3479, 36.9065,  
59.6757

■ 47.8604, 31.1821,  
54.6567

■ 55.5607, 44.0240,  
65.1117

■ 45.0475, 26.7514,  
50.0344

■ 60.5385, 52.6145,  
70.9789

■ 42.8570, 23.5105,  
45.7896


■ 66.3219, 62.7583,  
77.2934


■ 41.2274, 21.3369,  
41.8994


■ 72.9476, 74.5281,  
84.0696


■ 40.0834, 20.0811,  
38.3363

■ 80.4501, 87.9922,  
91.3211

 39.5712, 19.6354,  
36.3810

 84.7075, 94.9059,  
97.6758

 85.7460, 95.3214,  
103.1446

 86.7653, 95.7291,  
108.5123

# Harmonies

## Analogous

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



45.3162, 36.9065, 86.5265



51.3479, 36.9065, 59.6757



52.7213, 36.9065, 34.7513

# Triad

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



51.3479, 36.9065, 59.6757



33.1261, 36.9065, 10.3545



24.1896, 36.9065, 73.4676

# Complementary

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



51.3479, 36.9065, 59.6757



43.8889, 64.3234, 42.9061

# 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.



21.8893, 36.9065, 46.1573



51.3479, 36.9065, 59.6757



26.5120, 36.9065, 14.3035

# Square

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



51.3479, 36.9065, 59.6757



41.3498, 36.9065, 11.6280



22.6695, 36.9065, 25.4803



29.4757, 36.9065, 96.3811



# Rectangle

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



51.3479, 36.9065, 59.6757



50.6449, 36.9065, 23.0770



22.6695, 36.9065, 25.4803



23.0814, 36.9065, 64.1628

# Sweetspot

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



51.3490, 36.9082, 59.6764



83.8410, 80.0307, 97.6146



36.3567, 28.7310, 79.2315



17.5771, 16.4795, 20.5047



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.



51.3490, 36.9082, 59.6764



60.2361, 39.5759, 68.9212



46.4008, 34.9289, 33.6192



14.8050, 14.5392, 17.1734



22.2408, 11.0305, 20.6946



1.6837, 0.8312, 1.7407



# Inverse Universe

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



51.3490, 36.9082, 59.6764



60.2361, 39.5759, 68.9212



49.1268, 66.4186, 70.4888



14.8050, 14.5392, 17.1734



22.2408, 11.0305, 20.6946



1.6837, 0.8312, 1.7407



# Previews

## White Background



This preview shows how the XYZ color 51.3479, 36.9065, 59.6757 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

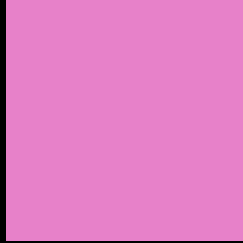
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3479, 36.9065, 59.6757 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

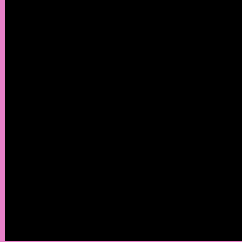
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.3479, 36.9065, 59.6757**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.3479, 36.9065, 59.6757.



This preview shows how white text looks on a background with the XYZ color 51.3479, 36.9065,



# 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

51.3479, 36.9065, 59.6757

### Protanopia

38.3650, 37.3879, 76.4287

### Deuteranopia

37.8445, 37.0196, 57.3754



## Tritanopia

45.9344, 36.9657, 33.5683

# Trichromacy



## Original Color

51.3479, 36.9065, 59.6757



## Protanomaly

41.4325, 36.1177, 69.7534



## Deuteranomaly

41.6795, 36.2635, 58.2289



## Tritanomaly

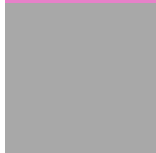
47.6441, 36.8038, 42.1288

# Monochromacy



## Original Color

51.3479, 36.9065, 59.6757



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

41.2797, 37.4829, 48.2393

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3479, 36.9065, 59.6757 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(231, 129, 201)` looks like.

```
.text, #text, p{  
    color:rgb(231, 129, 201)  
}
```

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(231, 129, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 129, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3479, 36.9065, 59.6757 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(231, 129, 201) }
```



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

```
.border{ border-color:rgb(231, 129, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 129, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 129, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 129, 201);  
box-shadow:4px 4px 4px 4px rgb(231, 129,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3479, 36.9065, 59.6757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 129, 201) }
```

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

```
.background{ background-color: rgb(231,  
129, 201) }
```

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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