

# Converting Colors

XYZ(51.6090, 36.8271, 69.3540)

Have a look what the booklet for  
XYZ(51.6090, 36.8271, 69.3540)  
contains.

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# Color

**XYZ(51.6090, 36.8271,  
69.3540)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E281D8
RGB	226, 129, 216
RGB Percent	89%, 51%, 85%
CMY	0.1137, 0.4941, 0.1529
CMYK	0.00, 0.43, 0.04, 0.11
HSL	306°, 63%, 70%
HSV	306°, 43%, 89%
XYZ	51.6090, 36.8271, 69.3540
YIQ	167.9210, 29.8850, 47.6210

# Conversions

## Conversions Part 2

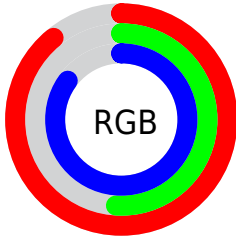
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 129, 216
Decimal	14844376
CIE Lab	67.15, 49.52, -28.72
CIE LCh	67, 57.247, 329.883
Yxy	36.8271, 0.3271, 0.2334
Android (android.graphics.Color)	4293034456 (0xFFE281D8)
YUV	167.9210, 23.7029, 50.9353
Hunter-Lab	60.6853, 45.6035, -25.2796

# Details

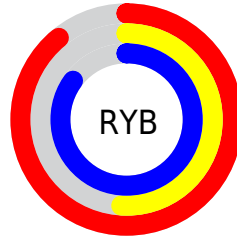
The XYZ color **51.6090, 36.8271, 69.3540** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.9114, 60.9253, 34.0319**, and the grayscale version is **37.0590, 38.9889, 42.4589**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **25.3796, 16.1771, 35.5031** is the 20% darker color. If you saturate the color by 10%, you get **48.6559, 31.3990, 66.8941**, and if you desaturate by 10%, it is **55.2270, 43.5768, 72.0573**.

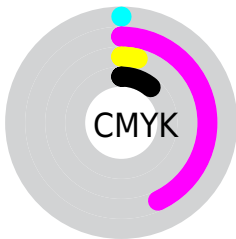
# Distribution



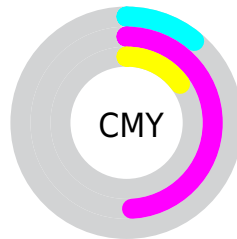
- Red (89%)
- Green (51%)
- Blue (85%)



- Red (89%)
- Yellow (51%)
- Blue (85%)



- Cyan (0%)
- Magenta (43%)
- Yellow (4%)
- Black (11%)



- Cyan (11%)
- Magenta (49%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6090, 36.8271, 69.3540 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 51.6090, 36.8271, 69.3540 by changing the saturation by 10% instead.



51.6090, 36.8271,  
69.3540

51.6090, 36.8271,  
69.3540

383.2741,  
332.5614, 477.0062

36.9165, 25.0737,  
50.5265

91.7320, 70.3068,  
119.9595

25.3162, 16.1319,  
35.4578

117.8932, 92.8018,  
152.5746

16.4428, 9.6176,  
23.7294

148.6080,  
119.6461, 190.6227

9.9309, 5.1461,  
14.9227

184.2419,  
151.2242, 234.5222

5.4151, 2.3333,  
8.6191

225.1600,  
187.9203, 284.6918

2.5300, 0.7912,  
4.4002

271.7279,

0.9104, 0.0000,

230.1190, 341.5500

1.8473

324.3108,  
278.2045, 405.5153

■ 0.0000, 0.0000,  
0.4589

■ 0.0000, 0.0000,  
0.0000

■ 51.6090, 36.8271,  
69.3540

■ 51.6090, 36.8271,  
69.3540

■ 48.6559, 31.3990,  
66.8941

■ 55.2270, 43.5768,  
72.0573

■ 46.3203, 27.1996,  
64.6607


■ 59.5463, 51.7229,  
75.0152


■ 44.5541, 24.1323,  
62.6380


■ 64.6047, 61.3405,  
78.2407


■ 43.3005, 22.0836,  
60.8070


■ 70.4365, 72.4978,  
81.7454


 42.4910, 20.9161,  
59.1447


 77.0736, 85.2589,  
85.5399

 42.1082, 20.4665,  
58.0436

 81.4049, 93.4011,  
88.5873

 81.7344, 93.5329,  
90.3223

 82.0682, 93.6665,  
92.0805

 82.4065, 93.8018,  
93.8619

# Harmonies

## Analogous

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



44.0428, 36.8271, 97.8340



51.6090, 36.8271, 69.3540



54.5981, 36.8271, 40.1964

# Triad

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



51.6090, 36.8271, 69.3540



35.0373, 36.8271, 8.6904



22.3811, 36.8271, 69.1099

# Complementary

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



51.6090, 36.8271, 69.3540



40.9114, 60.9253, 34.0319

# 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.



20.7664, 36.8271, 40.0006



51.6090, 36.8271, 69.3540



27.2935, 36.8271, 11.2045

# Square

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



51.6090, 36.8271, 69.3540



44.1118, 36.8271, 11.2464



22.4065, 36.8271, 20.5020



27.2434, 36.8271, 97.6567



# Rectangle

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



51.6090, 36.8271, 69.3540



53.2644, 36.8271, 25.8792



22.4065, 36.8271, 20.5020



21.4804, 36.8271, 58.7555

# Sweetspot

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



51.6102, 36.8288, 69.3548



84.8260, 80.4247, 102.8013



32.1768, 26.6565, 75.4019



17.8223, 16.5776, 21.7956



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.



51.6102, 36.8288, 69.3548



64.1750, 41.6480, 88.1329



46.2650, 34.6907, 41.2075



14.2309, 13.9100, 16.9862



24.0483, 11.6863, 33.2497



1.6847, 0.8171, 2.3984



# Inverse Universe

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



51.6102, 36.8288, 69.3548



64.1750, 41.6480, 88.1329



45.2422, 62.6576, 56.8373



14.2309, 13.9100, 16.9862



24.0483, 11.6863, 33.2497

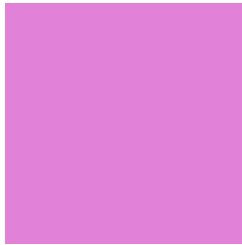


1.6847, 0.8171, 2.3984



# Previews

## White Background



This preview shows how the XYZ color 51.6090, 36.8271, 69.3540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

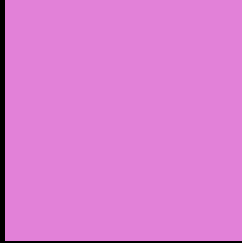
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.6090, 36.8271, 69.3540 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 51.6090, 36.8271, 69.3540**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.6090, 36.8271, 69.3540.



This preview shows how white text looks on a background with the XYZ color 51.6090, 36.8271,



# 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

51.6090, 36.8271, 69.3540

### Protanopia

38.9386, 37.1590, 88.3392

### Deuteranopia

37.8953, 37.1114, 66.1387



## Tritanopia

44.4857, 36.8503, 34.9052

# Trichromacy



## Original Color

51.6090, 36.8271, 69.3540



## Protanomaly

41.6751, 35.7561, 81.0490



## Deuteranomaly

41.6872, 36.0721, 67.0528



## Tritanomaly

46.7437, 36.6837, 45.6913

# Monochromacy



## Original Color

51.6090, 36.8271, 69.3540



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

41.2988, 37.4328, 50.9475

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6090, 36.8271, 69.3540 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(226, 129, 216)` looks like.

```
.text, #text, p{  
    color:rgb(226, 129, 216)  
}
```

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(226, 129, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 129, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6090, 36.8271, 69.3540 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(226, 129, 216) }
```



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

```
.border{ border-color:rgb(226, 129, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 129, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 129, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 129, 216); box-shadow:4px 4px 4px 4px rgb(226, 129, 216) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6090, 36.8271, 69.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 129, 216) }
```

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

```
.background{ background-color: rgb(226,  
129, 216) }
```

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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