

# Converting Colors

XYZ(36.1928, 21.9239, 32.4803)

Have a look what the booklet for  
XYZ(36.1928, 21.9239, 32.4803)  
contains.

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# Color

**XYZ(36.1352, 21.9038,  
32.4603)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D64D99
RGB	214, 77, 153
RGB Percent	84%, 30%, 60%
CMY	0.1608, 0.6980, 0.4000
CMYK	0.00, 0.64, 0.29, 0.16
HSL	327°, 63%, 57%
HSV	327°, 64%, 84%
XYZ	36.1352, 21.9038, 32.4603
YIQ	126.6270, 57.2560, 52.6800

# Conversions

## Conversions Part 2

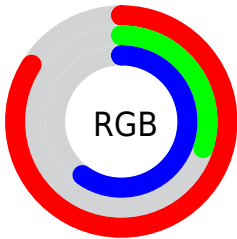
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 77, 153
Decimal	14044569
CIE <sub>Lab</sub>	53.92, 60.82, -13.05
CIE <sub>LCh</sub>	54, 62.199, 347.892
Yxy	21.9038, 0.3993, 0.2420
Android (android.graphics.Color)	4292234649 (0xFFD64D99)
YUV	126.6270, 13.0019, 76.6261
Hunter-Lab	46.8015, 55.9163, -8.3610

# Details

The XYZ color **36.1352, 21.9038, 32.4603** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **31.6958, 51.5066, 32.3188**, and the grayscale version is **19.9892, 21.0302, 22.9019**.

A 20% lighter version of the original color is **60.8900, 42.5401, 64.0333**, and **15.9158, 7.9279, 13.2617** is the 20% darker color. If you saturate the color by 10%, you get **34.1206, 19.0841, 28.0595**, and if you desaturate by 10%, it is **38.7063, 25.7355, 37.3571**.

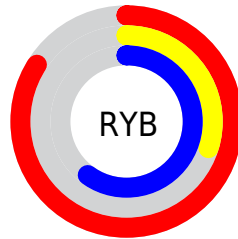
# Distribution



Red (84%)

Green (30%)

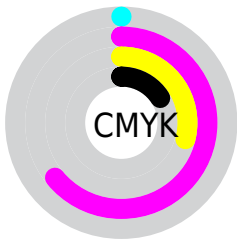
Blue (60%)



Red (84%)

Yellow (30%)

Blue (60%)

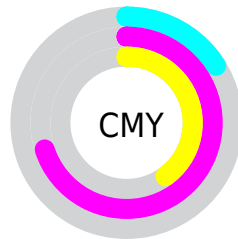


Cyan (0%)

Magenta (64%)

Yellow (29%)

Black (16%)



Cyan (16%)

Magenta (70%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1352, 21.9038, 32.4603 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 36.1352, 21.9038, 32.4603 by changing the saturation by 10% instead.




 36.1352, 21.9038,  
32.4603


 36.1352, 21.9038,  
32.4603


320.9720,  
262.0435, 327.7679


 24.7092, 13.7862,  
21.4456


 68.5632, 46.5869,  
64.6383


 15.9881, 7.9721,  
13.2557


 90.2959, 63.9213,  
86.6386


 9.6065, 4.0771,  
7.4721


 116.1950, 85.0967,  
113.1379

 5.1991, 1.7168,  
3.6762

 146.6257,  
110.4976, 144.5547

 2.4005, 0.4345,  
1.4494

 181.9533,  
140.5083, 181.3076

 0.8454, 0.0000,  
0.1798

222.5434,

 0.0000, 0.0000,

175.5133, 223.8151

0.0000

268.7612,  
215.8969, 272.4956

■ 36.1352, 21.9038,  
32.4603

■ 36.1352, 21.9038,  
32.4603

■ 34.1206, 19.0841,  
28.0595

■ 38.7063, 25.7355,  
37.3571

■ 32.6087, 17.1718,  
24.1291

■ 41.8770, 30.6637,  
42.7707

■ 31.5374, 16.0449,  
20.6410

■ 45.6881, 36.7676,  
48.7215

■ 31.0441, 15.6211,  
18.7408

■ 50.1761, 44.1182,  
55.2285

■ 55.3747, 52.7808,  
62.3090

■ 61.3152, 62.8160,  
69.9797

■ 68.0272, 74.2809,  
78.2565

■ 75.5383, 87.2290,  
87.1544

■ 79.0363, 92.0341,  
95.0751

# Harmonies

## Analogous

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



31.9198, 21.9038, 58.1509



36.1352, 21.9038, 32.4603



35.6512, 21.9038, 14.2113

# Triad

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



36.1352, 21.9038, 32.4603



17.1048, 21.9038, 3.1456



13.3171, 21.9038, 63.0542

# Complementary

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



36.1352, 21.9038, 32.4603



31.6958, 51.5066, 32.3188

# 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.



10.8043, 21.9038, 37.0828



36.1352, 21.9038, 32.4603



12.6460, 21.9038, 6.6732

# Square

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



36.1352, 21.9038, 32.4603



23.6411, 21.9038, 2.9024



10.5884, 21.9038, 16.9145



18.2307, 21.9038, 81.2097



# Rectangle

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



36.1352, 21.9038, 32.4603



32.7371, 21.9038, 7.6032



10.5884, 21.9038, 16.9145



12.2139, 21.9038, 54.4635

# Sweetspot

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



36.1359, 21.9049, 32.4607



78.2129, 71.5755, 87.1036



25.0058, 15.4292, 65.2787



16.2736, 14.5437, 18.0014



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.



36.1359, 21.9049, 32.4607



49.8139, 27.1632, 39.4535



32.0714, 20.2792, 11.0577



12.7087, 12.5350, 14.4063



18.8172, 9.4632, 11.6076



1.1764, 0.5873, 0.9181



# Inverse Universe

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



36.1359, 21.9049, 32.4607



49.8139, 27.1632, 39.4535



38.1113, 54.0727, 66.1021



12.7087, 12.5350, 14.4063



18.8172, 9.4632, 11.6076



1.1764, 0.5873, 0.9181



# Previews

## White Background



This preview shows how the XYZ color 36.1352, 21.9038, 32.4603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

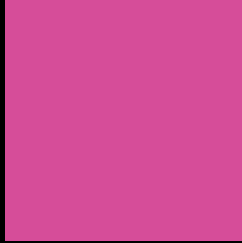
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.1352, 21.9038, 32.4603 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

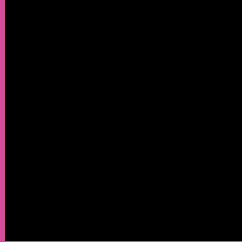
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.1352, 21.9038, 32.4603**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.1352, 21.9038, 32.4603.



This preview shows how white text looks on a background with the XYZ color 36.1352, 21.9038,



# 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

36.1352, 21.9038, 32.4603

### Protanopia

23.0814, 22.1041, 51.1941

### Deuteranopia

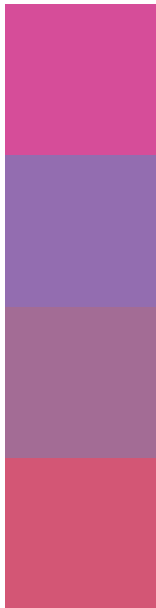
22.4807, 22.0654, 30.2683



## Tritanopia

32.1932, 21.9005, 13.8397

# Trichromacy



**Original Color**

36.1352, 21.9038, 32.4603

**Protanomaly**

25.3377, 20.2749, 43.6523

**Deuteranomaly**

25.8916, 20.6816, 31.0611

**Tritanomaly**

33.4026, 21.7888, 19.2748

# Monochromacy



**Original Color**

36.1352, 21.9038, 32.4603

**Achromatopsia**

20.1725, 21.2231, 23.1119

**Achromatomaly**

24.2106, 20.0858, 25.8935

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.1352, 21.9038, 32.4603 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, 77, 153)` looks like.

```
.text, #text, p{  
    color:rgb(214, 77, 153)  
}
```

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, 77, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 77, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 36.1352, 21.9038, 32.4603 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, 77, 153) }
```



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

```
.border{ border-color:rgb(214, 77, 153) }
```

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

Here you see how a box with a 4 pixel rgb(214, 77, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 77, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 77, 153);  
box-shadow:4px 4px 4px 4px rgb(214, 77,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.1352, 21.9038, 32.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 77, 153) }
```

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

```
.background{ background-color: rgb(214, 77,  
153) }
```

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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