

# Converting Colors

XYZ(36.6030, 22.1304, 33.9298)

Have a look what the booklet for  
XYZ(36.6030, 22.1304, 33.9298)  
contains.

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# Color

**XYZ(36.6790, 22.1551,  
33.7957)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D74D9C
RGB	215, 77, 156
RGB Percent	84%, 30%, 61%
CMY	0.1569, 0.6980, 0.3882
CMYK	0.00, 0.64, 0.27, 0.16
HSL	326°, 63%, 57%
HSV	326°, 64%, 84%
XYZ	36.6790, 22.1551, 33.7957
YIQ	127.2680, 56.8890, 53.8250

# Conversions

## Conversions Part 2

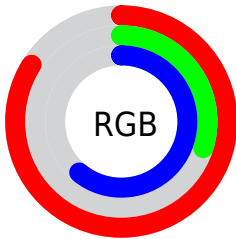
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 77, 156
Decimal	14110108
CIE <sub>Lab</sub>	54.19, 61.48, -14.39
CIE <sub>LCh</sub>	54, 63.138, 346.821
Yxy	22.1551, 0.3960, 0.2392
Android (android.graphics.Color)	4292300188 (0xFFD74D9C)
YUV	127.2680, 14.1649, 76.9410
Hunter-Lab	47.0692, 56.7262, -9.6218

# Details

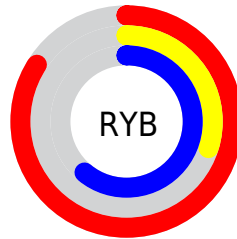
The XYZ color **36.6790, 22.1551, 33.7957** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **31.8062, 51.9570, 31.6476**, and the grayscale version is **20.2050, 21.2572, 23.1491**.

A 20% lighter version of the original color is **61.5230, 43.0133, 66.6878**, and **16.2601, 8.0878, 14.0687** is the 20% darker color. If you saturate the color by 10%, you get **34.6663, 19.3285, 29.4285**, and if you desaturate by 10%, it is **39.2489, 26.0014, 38.6397**.

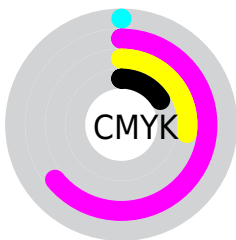
# Distribution



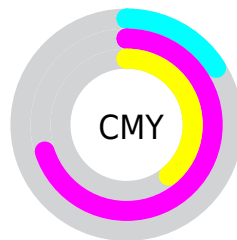
- Red (84%)
- Green (30%)
- Blue (61%)



- Red (84%)
- Yellow (30%)
- Blue (61%)



- Cyan (0%)
- Magenta (64%)
- Yellow (27%)
- Black (16%)




- Cyan (16%)
- Magenta (70%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6790, 22.1551, 33.7957 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 36.6790, 22.1551, 33.7957 by changing the saturation by 10% instead.




 36.6790, 22.1551,  
33.7957


 36.6790, 22.1551,  
33.7957


323.2984,  
263.3552, 333.9614

 25.1316, 13.9709,  
22.4606


 69.3959, 47.0022,  
66.7461

 16.3044, 8.1004,  
13.9942


 91.2960, 64.4339,  
89.1985

 9.8320, 4.1593,  
7.9779


 117.3778, 85.7169,  
116.1937

 5.3491, 1.7631,  
3.9933

 148.0065,  
111.2356, 148.1503

 2.4904, 0.4640,  
1.6216

 183.5476,  
141.3744, 185.4869

 0.8904, 0.0000,  
0.3062

224.3664,

 0.0000, 0.0000,

176.5176, 228.6219

0.0000

270.8282,  
217.0498, 277.9739

■ 36.6790, 22.1551,  
33.7957

■ 36.6790, 22.1551,  
33.7957

■ 34.6663, 19.3285,  
29.4285

■ 39.2489, 26.0014,  
38.6397

■ 33.1564, 17.4155,  
25.5131

■ 42.4195, 30.9529,  
43.9805

■ 32.0864, 16.2922,  
22.0220

■ 46.2319, 37.0899,  
49.8382

■ 31.6044, 15.8791,  
20.1630

■ 50.7231, 44.4842,  
56.2309

■ 55.9269, 53.2019,  
63.1755

61.8750, 63.3044,  
70.6881

68.5970, 74.8492,  
78.7839

76.1210, 87.8906,  
87.4776

79.3250, 92.1834,  
95.0670

# Harmonies

## Analogous

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



32.2087, 22.1551, 60.2802



36.6790, 22.1551, 33.7957



36.3659, 22.1551, 14.7634

# Triad

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



36.6790, 22.1551, 33.7957



17.4684, 22.1551, 3.0263



13.2635, 22.1551, 63.4596

# Complementary

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



36.6790, 22.1551, 33.7957



31.8062, 51.9570, 31.6476

# 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.



10.7913, 22.1551, 36.7822



36.6790, 22.1551, 33.7957



12.8328, 22.1551, 6.4130

# Square

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



36.6790, 22.1551, 33.7957



24.2087, 22.1551, 2.8733



10.6530, 22.1551, 16.4984



18.1928, 22.1551, 82.7221



# Rectangle

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



36.6790, 22.1551, 33.7957



33.4725, 22.1551, 7.8327



10.6530, 22.1551, 16.4984



12.1691, 22.1551, 54.5644

# Sweetspot

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



36.6797, 22.1562, 33.7961



78.3362, 71.6248, 87.7529



24.8323, 15.3250, 65.9395



16.3035, 14.5556, 18.1584



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.



36.6797, 22.1562, 33.7961



50.1414, 27.2942, 41.1783



32.4614, 20.4689, 11.5829



12.7182, 12.5388, 14.4561



18.9572, 9.5192, 12.3445



1.1845, 0.5906, 0.9609



# Inverse Universe

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



36.6797, 22.1562, 33.7961



50.1414, 27.2942, 41.1783



38.2010, 54.5149, 65.3225



12.7182, 12.5388, 14.4561



18.9572, 9.5192, 12.3445



1.1845, 0.5906, 0.9609



# Previews

## White Background



This preview shows how the XYZ color 36.6790, 22.1551, 33.7957 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

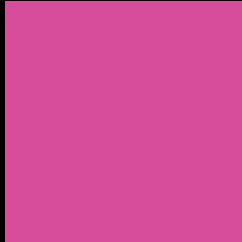
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.6790, 22.1551, 33.7957 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

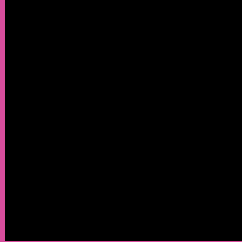
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.6790, 22.1551, 33.7957**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6790, 22.1551, 33.7957.



This preview shows how white text looks on a background with the XYZ color 36.6790, 22.1551,



# 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

36.6790, 22.1551, 33.7957

### Protanopia

23.5292, 22.4767, 53.5504

### Deuteranopia

22.8457, 22.4170, 31.5566



## Tritanopia

32.4771, 22.0469, 13.8530

# Trichromacy



## Original Color

36.6790, 22.1551, 33.7957

## Protanomaly

25.7395, 20.4356, 45.7679

## Deuteranomaly

26.2404, 20.9908, 32.3744

## Tritanomaly

33.7492, 21.9606, 19.5996

# Monochromacy



## Original Color

36.6790, 22.1551, 33.7957

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

24.3542, 20.1432, 26.6492

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6790, 22.1551, 33.7957 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(215, 77, 156)` looks like.

```
.text, #text, p{  
    color:rgb(215, 77, 156)  
}
```

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(215, 77, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 77, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6790, 22.1551, 33.7957 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(215, 77, 156) }
```



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

```
.border{ border-color:rgb(215, 77, 156) }
```

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

Here you see how a box with a 4 pixel rgb(215, 77, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 77, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 77, 156);  
box-shadow:4px 4px 4px 4px rgb(215, 77,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6790, 22.1551, 33.7957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 77, 156) }
```

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

```
.background{ background-color: rgb(215, 77,  
156) }
```

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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