

Converting Colors

XYZ(36.4081, 21.9896, 71.3274)

Have a look what the booklet for
XYZ(36.4081, 21.9896, 71.3274)
contains.

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Color

**XYZ(36.3627, 21.9289,
71.4234)**

Conversions

Conversions Part 1

Format	Color
Hex	B954DE
RGB	185, 84, 222
RGB Percent	73%, 33%, 87%
CMY	0.2745, 0.6706, 0.1294
CMYK	0.17, 0.62, 0.00, 0.13
HSL	284°, 68%, 60%
HSV	284°, 62%, 87%
XYZ	36.3627, 21.9289, 71.4234
YIQ	129.9310, 15.8980, 64.3300

Conversions

Conversions Part 2

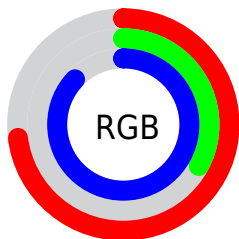
Format	Color
RYB	185, 84, 222
Decimal	12145886
CIELab	53.95, 61.46, -53.17
CIELCh	54, 81.267, 319.136
Yxy	21.9289, 0.2803, 0.1691
Android (android.graphics.Color)	4290335966 (0xFFB954DE)
YUV	129.9310, 45.3900, 48.2955
Hunter-Lab	46.8283, 56.6577, -57.6504

Details

The XYZ color **36.3627, 21.9289, 71.4234** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **35.6074, 56.9481, 17.5038**, and the grayscale version is **21.0355, 22.1310, 24.1007**.

A 20% lighter version of the original color is **64.5908, 44.9183, 99.8735**, and **16.1117, 7.9956, 36.7705** is the 20% darker color. If you saturate the color by 10%, you get **33.4988, 18.2876, 70.8719**, and if you desaturate by 10%, it is **39.8343, 26.6946, 72.1607**.

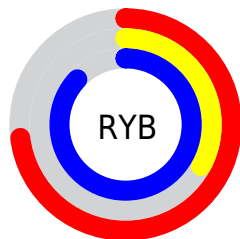
Distribution



Red (73%)

Green (33%)

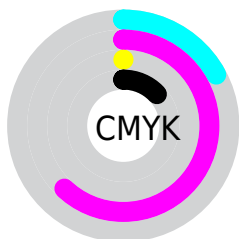
Blue (87%)



Red (73%)

Yellow (33%)

Blue (87%)

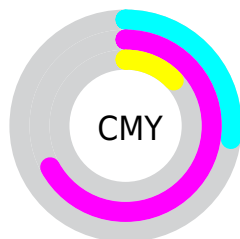


Cyan (17%)

Magenta (62%)

Yellow (0%)

Black (13%)



Cyan (27%)


Magenta (67%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3627, 21.9289, 71.4234 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 36.3627, 21.9289, 71.4234 by changing the saturation by 10% instead.


 36.3627, 21.9289,
71.4234


 36.3627, 21.9289,
71.4234

321.9467,
262.1747, 484.4557

 24.8859, 13.8047,
52.2038


 68.9117, 46.6285,
122.9365


 16.1203, 7.9849,
36.7842


 90.7146, 63.9726,
156.0671

 9.7007, 4.0853,
24.7460


 116.6903, 85.1588,
194.6718

 5.2617, 1.7214,
15.6706

 147.2040,
110.5714, 239.1691

 2.4380, 0.4375,
9.1396

182.6211,
140.5950, 289.9776

 0.8641, 0.0000,
4.7343

223.3070,

 0.0000, 0.0000,

175.6138, 347.5159

2.0362

269.6271,
216.0122, 412.2024

■ 0.0000, 0.0000,
0.5774

■ 0.0000, 0.0000,
0.0000

■ 36.3627, 21.9289,
71.4234

■ 36.3627, 21.9289,
71.4234

■ 33.4988, 18.2876,
70.8719

■ 39.8343, 26.6946,
72.1607

■ 31.1856, 15.6604,
70.4867


■ 43.9583, 32.6757,
73.0978


■ 29.3588, 13.9189,
70.2468


■ 48.7780, 39.9567,
74.2491


■ 28.1828, 13.0056,
70.1325


■ 54.3319, 48.6138,
75.6274

 60.6556, 58.7173,
77.2443

 67.7825, 70.3326,
79.1106

 75.7435, 83.5209,
81.2366

 82.4249, 94.0535,
82.9175

 84.3968, 95.0701,
83.0098

Harmonies

Analogous

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



26.8699, 21.9289, 104.6634



36.3627, 21.9289, 71.4234



42.1615, 21.9289, 34.1782

Triad

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



36.3627, 21.9289, 71.4234



24.1833, 21.9289, 0.9235



8.6310, 21.9289, 43.4513

Complementary

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



36.3627, 21.9289, 71.4234



35.6074, 56.9481, 17.5038

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.



8.2861, 21.9289, 15.8862



36.3627, 21.9289, 71.4234



15.7919, 21.9289, 1.1460

Square

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



36.3627, 21.9289, 71.4234



33.9279, 21.9289, 2.8162



10.5188, 21.9289, 4.1739



11.6465, 21.9289, 82.1394

Rectangle

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



36.3627, 21.9289, 71.4234



42.3028, 21.9289, 17.0039



10.5188, 21.9289, 4.1739



8.2385, 21.9289, 32.3897

Sweetspot

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



36.3636, 21.9298, 71.4239



76.8753, 70.5069, 104.1652



23.9372, 21.3505, 71.9670



15.9431, 14.2807, 22.1661



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.



36.3636, 21.9298, 71.4239



44.6954, 23.6570, 96.8183



42.8207, 25.6812, 52.6281



13.9178, 13.7412, 17.3064



16.8507, 7.7822, 41.6623



1.2517, 0.5826, 2.8917

Inverse Universe

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



36.7464, 23.2515, 20.6413



46.1554, 26.1371, 18.8400



32.8097, 55.3405, 24.8433



13.8574, 13.7606, 15.0193



18.4098, 9.4309, 3.5579



1.3128, 0.6684, 0.4403

Previews

White Background



This preview shows how the XYZ color 36.3627, 21.9289, 71.4234 looks on a white background.

Color Contrast Check

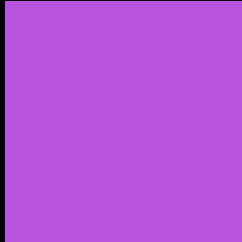
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3627, 21.9289, 71.4234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

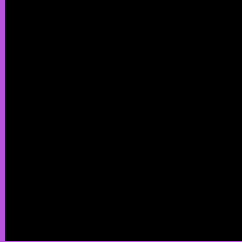
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3627, 21.9289, 71.4234

Background



This preview shows how black text looks on a background with the XYZ color 36.3627, 21.9289, 71.4234.



This preview shows how white text looks on a background with the XYZ color 36.3627, 21.9289,

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

36.3627, 21.9289, 71.4234

Protanopia

26.5103, 22.4681, 97.5473

Deuteranopia

22.8945, 22.2652, 66.0417



Tritanopia

25.9955, 21.7614, 21.2426

Trichromacy



Original Color

36.3627, 21.9289, 71.4234



Protanomaly

26.6834, 20.1643, 87.2798



Deuteranomaly

25.3700, 20.4130, 67.5687



Tritanomaly

28.6021, 21.0853, 34.9101

Monochromacy



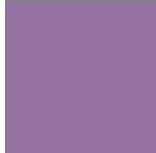
Original Color

36.3627, 21.9289, 71.4234



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

25.0937, 20.9386, 37.3693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3627, 21.9289, 71.4234 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(185, 84, 222)` looks like.

```
.text, #text, p{  
    color:rgb(185, 84, 222)  
}
```

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(185, 84, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 84, 222) }
```

Border

The CSS property to change the border of an element to XYZ 36.3627, 21.9289, 71.4234 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(185, 84, 222) }
```


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

```
.border{ border-color:rgb(185, 84, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 84, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 84, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 84, 222);  
box-shadow:4px 4px 4px 4px rgb(185, 84,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3627, 21.9289, 71.4234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 84, 222) }
```

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

```
.background{ background-color: rgb(185, 84,  
222) }
```

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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