

Converting Colors

XYZ(37.1598, 21.2665, 71.1486)

Have a look what the booklet for
XYZ(37.1598, 21.2665, 71.1486)
contains.

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Color

**XYZ(37.1195, 21.2479,
71.2521)**

Conversions

Conversions Part 1

Format	Color
Hex	BF4ADE
RGB	191, 74, 222
RGB Percent	75%, 29%, 87%
CMY	0.2510, 0.7098, 0.1294
CMYK	0.14, 0.67, 0.00, 0.13
HSL	287°, 69%, 58%
HSV	287°, 67%, 87%
XYZ	37.1195, 21.2479, 71.2521
YIQ	125.8550, 22.2240, 70.8320

Conversions

Conversions Part 2

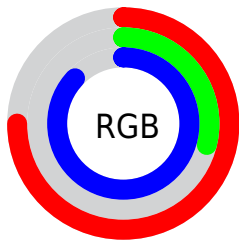
Format	Color
RYB	191, 74, 222
Decimal	12536542
CIELab	53.22, 67.11, -54.29
CIELCh	53, 86.325, 321.029
Yxy	21.2479, 0.2864, 0.1639
Android (android.graphics.Color)	4290726622 (0xFFBF4ADE)
YUV	125.8550, 47.3995, 57.1322
Hunter-Lab	46.0954, 63.0745, -59.3808

Details

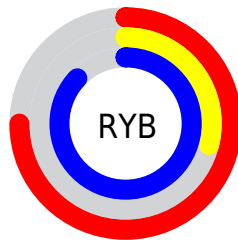
The XYZ color **37.1195, 21.2479, 71.2521** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **33.1837, 55.7407, 15.4895**, and the grayscale version is **19.6220, 20.6439, 22.4812**.

A 20% lighter version of the original color is **65.5906, 43.7766, 99.6005**, and **16.5558, 7.7397, 36.6977** is the 20% darker color. If you saturate the color by 10%, you get **34.7396, 18.1958, 70.7888**, and if you desaturate by 10%, it is **40.0610, 25.3663, 71.8923**.

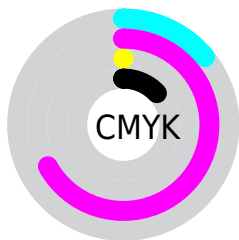
Distribution



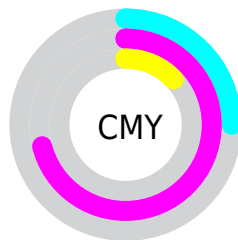
- Red (75%)
- Green (29%)
- Blue (87%)



- Red (75%)
- Yellow (29%)
- Blue (87%)



- Cyan (14%)
- Magenta (67%)
- Yellow (0%)
- Black (13%)





- Cyan (25%)
- Magenta (71%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1195, 21.2479, 71.2521 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 37.1195, 21.2479, 71.2521 by changing the saturation by 10% instead.


 37.1195, 21.2479,
71.2521


 37.1195, 21.2479,
71.2521


325.1742,
258.5930, 483.8416


 25.4741, 13.3053,
52.0649


 70.0692, 45.4997,
122.6904


 16.5613, 7.6391,
36.6742


 92.1042, 62.5778,
155.7786

 10.0155, 3.8649,
24.6615


 118.3331, 83.4698,
194.3375

 5.4716, 1.5983,
15.6083

 149.1214,
108.5602, 238.7856

 2.5641, 0.3564,
9.0961

 184.8342,
138.2333, 289.5416

 0.9277, 0.0000,
4.7062

225.8371,

 0.0000, 0.0000,

172.8735, 347.0238

2.0203

272.4953,
212.8653, 411.6510

■ 0.0000, 0.0000,
0.5677

■ 0.0000, 0.0000,
0.0000

■ 37.1195, 21.2479,
71.2521

■ 37.1195, 21.2479,
71.2521

■ 34.7396, 18.1958,
70.7888

■ 40.0610, 25.3663,
71.8923

■ 32.8604, 16.0915,
70.4816


■ 43.6112, 30.6473,
72.7246

■ 31.4087, 14.7880,
70.3065


■ 47.8151, 37.1797,
73.7639


■ 30.9769, 14.4461,
70.2633


■ 52.7125, 45.0424,
75.0234

 58.3399, 54.3080,
76.5152

 64.7312, 65.0438,
78.2506

 71.9180, 77.3127,
80.2400

 79.9302, 91.1739,
82.4932

 82.5006, 94.0926,
82.9210

Harmonies

Analogous

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



27.1613, 21.2479, 108.7530



37.1195, 21.2479, 71.2521



42.9305, 21.2479, 31.8805

Triad

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



37.1195, 21.2479, 71.2521



23.0543, 21.2479, 0.4537



7.8544, 21.2479, 46.2302

Complementary

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



37.1195, 21.2479, 71.2521



33.1837, 55.7407, 15.4895

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.



7.3575, 21.2479, 16.1564



37.1195, 21.2479, 71.2521



14.5358, 21.2479, 0.7818

Square

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



37.1195, 21.2479, 71.2521



33.3483, 21.2479, 1.9393



9.4028, 21.2479, 3.7467



11.0551, 21.2479, 88.2302

Rectangle

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



37.1195, 21.2479, 71.2521



42.7501, 21.2479, 14.7992



9.4028, 21.2479, 3.7467



7.4134, 21.2479, 34.1293

Sweetspot

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



37.1204, 21.2488, 71.2526



77.0615, 69.6957, 103.9988



21.1706, 17.0526, 71.2833



16.0268, 14.1478, 22.1360



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.



37.1204, 21.2488, 71.2526



46.4635, 23.6251, 96.7189



40.8186, 23.7259, 45.6447



13.9993, 13.7832, 17.3103



18.4951, 8.6299, 41.7393



1.3533, 0.6350, 2.8965

Inverse Universe

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



35.1234, 21.4478, 15.6541



44.4320, 24.4309, 12.8998



32.0945, 54.9583, 25.4202



13.8241, 13.7473, 14.8439



18.2248, 9.3569, 2.5837



1.2959, 0.6616, 0.3508

Previews

White Background



This preview shows how the XYZ color 37.1195, 21.2479, 71.2521 looks on a white background.

Color Contrast Check

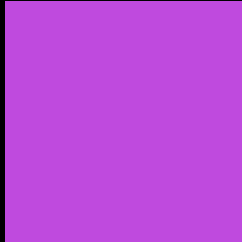
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1195, 21.2479, 71.2521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

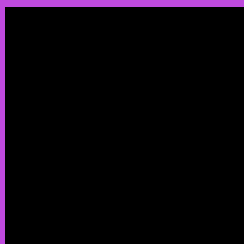
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.1195, 21.2479, 71.2521

Background



This preview shows how black text looks on a background with the XYZ color 37.1195, 21.2479, 71.2521.



This preview shows how white text looks on a background with the XYZ color 37.1195, 21.2479,

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

37.1195, 21.2479, 71.2521

Protanopia

25.8605, 21.7610, 97.4450

Deuteranopia

22.1286, 21.4939, 65.2698



Tritanopia

26.3146, 21.0065, 19.1907

Trichromacy



Original Color

37.1195, 21.2479, 71.2521



Protanomaly

25.6429, 18.8495, 87.0808



Deuteranomaly

24.6967, 19.2604, 67.3817



Tritanomaly

29.0647, 20.3747, 33.4112

Monochromacy



Original Color

37.1195, 21.2479, 71.2521



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

24.2684, 19.5726, 36.2170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1195, 21.2479, 71.2521 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(191, 74, 222)` looks like.

```
.text, #text, p{  
    color:rgb(191, 74, 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(191, 74, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 74, 222) }
```

Border

The CSS property to change the border of an element to XYZ 37.1195, 21.2479, 71.2521 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(191, 74, 222) }
```


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

```
.border{ border-color:rgb(191, 74, 222) }
```

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

Here you see how a box with a 4 pixel rgb(191, 74, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 74, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 74, 222);  
box-shadow:4px 4px 4px 4px rgb(191, 74,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1195, 21.2479, 71.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 74, 222) }
```

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

```
.background{ background-color: rgb(191, 74,  
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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