

Converting Colors

XYZ(43.8037, 36.9353, 79.3158)

Have a look what the booklet for
XYZ(43.8037, 36.9353, 79.3158)
contains.

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Color

**XYZ(43.8528, 36.9114,
79.6762)**

Conversions

Conversions Part 1

Format	Color
Hex	B495E6
RGB	180, 149, 230
RGB Percent	71%, 58%, 90%
CMY	0.2941, 0.4157, 0.0980
CMYK	0.22, 0.35, 0.00, 0.10
HSL	263°, 62%, 74%
HSV	263°, 35%, 90%
XYZ	43.8528, 36.9114, 79.6762
YIQ	167.5030, -7.5250, 31.7630

Conversions

Conversions Part 2

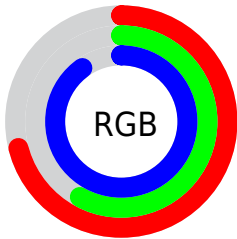
Format	Color
R_{YB}	180, 149, 230
Decimal	11834854
CIE _{Lab}	67.21, 27.69, -36.76
CIE _{LCh}	67, 46.024, 306.991
Yxy	36.9114, 0.2733, 0.2301
Android (android.graphics.Color)	4290024934 (0xFFB495E6)
YUV	167.5030, 30.8110, 10.9599
Hunter-Lab	60.7548, 22.5205, -35.2269

Details

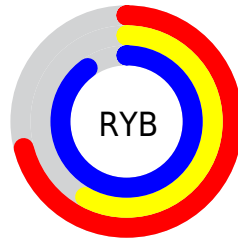
The XYZ color **43.8528, 36.9114, 79.6762** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **57.2758, 70.9065, 39.1029**, and the grayscale version is **36.8339, 38.7522, 42.2011**.

A 20% lighter version of the original color is **74.3310, 67.9364, 103.8031**, and **20.6118, 16.2270, 42.0902** is the 20% darker color. If you saturate the color by 10%, you get **37.4294, 28.7218, 78.4346**, and if you desaturate by 10%, it is **51.3358, 46.7155, 81.1748**.

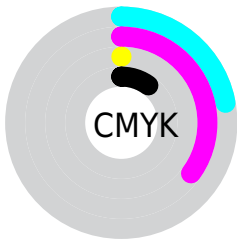
Distribution



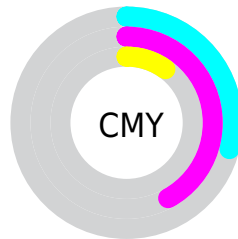
- Red (71%)
- Green (58%)
- Blue (90%)



- Red (71%)
- Yellow (58%)
- Blue (90%)



- Cyan (22%)
- Magenta (35%)
- Yellow (0%)
- Black (10%)





- Cyan (29%)
- Magenta (42%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.8528, 36.9114, 79.6762 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 43.8528, 36.9114, 79.6762 by changing the saturation by 10% instead.


 43.8528, 36.9114,
79.6762


 43.8528, 36.9114,
79.6762


352.9696,
332.9268, 513.5189

 30.7522, 25.1389,
58.9273

 80.2439, 70.4365,
134.7177

 20.5611, 16.1806,
42.1350


 104.2652, 92.9579,
169.8474

 12.9142, 9.6520,
28.8807


132.6573,
119.8310, 210.6077

 7.4461, 5.1689,
18.7458

165.7858,
151.4403, 257.4174

 3.7914, 2.3467,
11.3118

204.0159,
188.1701, 310.6947

 1.5848, 0.7982,
6.1601

247.7130,

 0.3825, 0.0000,

230.4049, 370.8584

2.8723

297.2425,
278.5290, 438.3270

■ 0.0000, 0.0000,
1.0298

■ 0.0000, 0.0000,
0.0000

■ 43.8528, 36.9114,
79.6762

■ 43.8528, 36.9114,
79.6762

■ 37.4294, 28.7218,
78.4346

■ 51.3358, 46.7155,
81.1748

■ 32.0092, 22.0520,
77.4329

■ 59.9234, 58.2128,
82.9414

■ 27.5358, 16.8041,
76.6557

■ 69.6623, 71.4818,
84.9893

■ 23.9452, 12.8664,
76.0849

■ 80.5954, 86.5950,
87.3302

■ 21.1637, 10.1096,
75.6994

■ 89.8232, 97.7407,
88.9951

■ 19.1031, 8.3758,
75.4733

■ 91.2830, 98.4932,
89.0635

■ 18.3099, 7.7892,
75.4019

Harmonies

Analogous

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



36.7527, 36.9114, 92.1030



43.8528, 36.9114, 79.6762



49.0402, 36.9114, 57.2839

Triad

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



43.8528, 36.9114, 79.6762



40.6314, 36.9114, 14.0663



23.3129, 36.9114, 45.0840

Complementary

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



43.8528, 36.9114, 79.6762



57.2758, 70.9065, 39.1029

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.



24.0626, 36.9114, 26.8881



43.8528, 36.9114, 79.6762



33.4650, 36.9114, 12.7258

Square

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



43.8528, 36.9114, 79.6762



47.0138, 36.9114, 21.1208



27.5683, 36.9114, 16.5362



25.3638, 36.9114, 68.2438

Rectangle

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



43.8528, 36.9114, 79.6762



50.3721, 36.9114, 42.2551



27.5683, 36.9114, 16.5362



23.2507, 36.9114, 38.1938

Sweetspot

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



43.8541, 36.9129, 79.6770



80.6597, 80.2535, 105.8470



47.4024, 53.5516, 82.7016



16.9120, 16.6984, 22.5817



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.



43.8541, 36.9129, 79.6770



49.5830, 39.1731, 99.5556



54.3050, 42.3006, 80.1661



14.1017, 14.1546, 18.1332



10.4921, 4.4748, 42.6939



0.8763, 0.3827, 3.1597

Inverse Universe

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



53.6904, 42.4428, 59.3964



63.9532, 47.2640, 69.3778



48.1800, 66.2174, 38.6772



14.7491, 14.5168, 16.8790



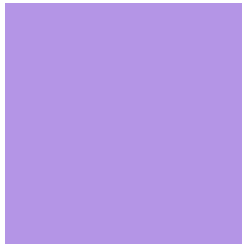
21.2996, 10.6541, 15.7385



1.6190, 0.8053, 1.3999

Previews

White Background



This preview shows how the XYZ color 43.8528, 36.9114, 79.6762 looks on a white background.

Color Contrast Check

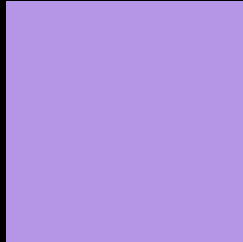
Large Text (above 18pt) WCAG AA × Fail

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 43.8528, 36.9114, 79.6762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

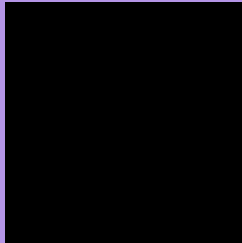
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.8528, 36.9114, 79.6762

Background



This preview shows how black text looks on a background with the XYZ color 43.8528, 36.9114, 79.6762.



This preview shows how white text looks on a background with the XYZ color 43.8528, 36.9114,

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

43.8528, 36.9114, 79.6762

Protanopia

38.9543, 37.1843, 87.5622

Deuteranopia

37.9408, 37.1375, 77.8416



Tritanopia

36.8653, 37.0529, 44.7441

Trichromacy



Original Color

43.8528, 36.9114, 79.6762

Protanomaly

40.3342, 36.9424, 84.3616

Deuteranomaly

39.7709, 36.7833, 78.4025

Tritanomaly

39.2501, 37.0077, 56.1134

Monochromacy



Original Color

43.8528, 36.9114, 79.6762

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.1621, 38.0220, 54.5651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8528, 36.9114, 79.6762 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(180, 149, 230)` looks like.

```
.text, #text, p{  
    color:rgb(180, 149, 230)  
}
```

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(180, 149, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 149, 230) }
```

Border

The CSS property to change the border of an element to XYZ 43.8528, 36.9114, 79.6762 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(180, 149, 230) }
```


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

```
.border{ border-color:rgb(180, 149, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 149, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 149, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 149, 230);  
box-shadow:4px 4px 4px 4px rgb(180, 149,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8528, 36.9114, 79.6762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 149, 230) }
```

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

```
.background{ background-color: rgb(180,  
149, 230) }
```

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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