

Converting Colors

XYZ(41.9477, 33.6794, 79.1531)

Have a look what the booklet for
XYZ(41.9477, 33.6794, 79.1531)
contains.

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Color

**XYZ(41.8756, 33.6434,
79.1496)**

Conversions

Conversions Part 1

Format	Color
Hex	B28BE6
RGB	178, 139, 230
RGB Percent	70%, 55%, 90%
CMY	0.3020, 0.4549, 0.0980
CMYK	0.23, 0.40, 0.00, 0.10
HSL	266°, 65%, 72%
HSV	266°, 40%, 90%
XYZ	41.8756, 33.6434, 79.1496
YIQ	161.0350, -5.9670, 36.5690

Conversions

Conversions Part 2

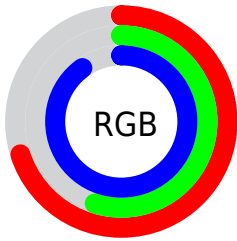
Format	Color
R _Y B	178, 139, 230
Decimal	11701222
CIE Lab	64.68, 32.71, -40.73
CIE LCh	65, 52.237, 308.769
Yxy	33.6434, 0.2707, 0.2175
Android (android.graphics.Color)	4289891302 (0xFFB28BE6)
YUV	161.0350, 33.9997, 14.8783
Hunter-Lab	58.0029, 27.3641, -40.3039

Details

The XYZ color **41.8756, 33.6434, 79.1496** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.4438, 69.5348, 34.9795**, and the grayscale version is **33.7426, 35.4999, 38.6594**.

A 20% lighter version of the original color is **71.3809, 63.0221, 103.0100**, and **19.2981, 14.2464, 41.7771** is the 20% darker color. If you saturate the color by 10%, you get **36.0167, 26.1891, 78.0201**, and if you desaturate by 10%, it is **48.7264, 42.6504, 80.5276**.

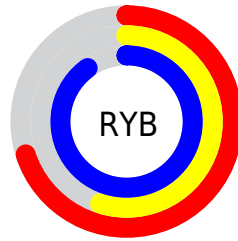
Distribution



Red (70%)

Green (55%)

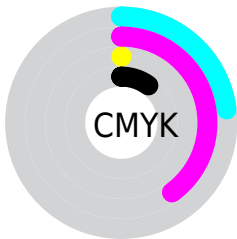
Blue (90%)



Red (70%)

Yellow (55%)

Blue (90%)

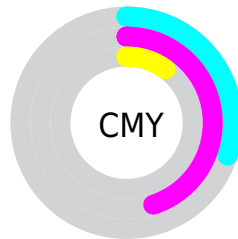


Cyan (23%)

Magenta (40%)

Yellow (0%)

Black (10%)



Cyan (30%)

Magenta (45%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8756, 33.6434, 79.1496 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 41.8756, 33.6434, 79.1496 by changing the saturation by 10% instead.

41.8756, 33.6434,
79.1496

41.8756, 33.6434,
79.1496

344.9674,
318.5390, 511.6933

29.1946, 22.6198,
58.4968

77.2777, 65.3787,
133.9700

19.3731, 14.3130,
41.7908

100.7294, 86.8593,
168.9747

12.0458, 8.3387,
28.6132

128.5021,
112.5942, 209.6004

6.8473, 4.3124,
18.5453

160.9611,
142.9680, 256.2657

3.4123, 1.8498,
11.1687

198.4718,
178.3649, 309.3891

1.3753, 0.5179,
6.0649

241.3995,

0.2386, 0.0000,

219.1695, 369.3891

2.8151

290.1096,
265.7661, 436.6843

■ 0.0000, 0.0000,
1.0010

■ 0.0000, 0.0000,
0.0000

■ 41.8756, 33.6434,
79.1496

■ 41.8756, 33.6434,
79.1496

■ 36.0167, 26.1891,
78.0201

■ 48.7264, 42.6504,
80.5276

■ 31.0936, 20.1906,
77.1218

■ 56.6137, 53.2908,
82.1657

■ 27.0498, 15.5463,
76.4385

■ 65.5834, 65.6447,
84.0775

■ 23.8202, 12.1390,
75.9510

■ 75.6777, 79.7853,
86.2749

■ 21.3285, 9.8303,
75.6367

■ 86.9361, 95.7818,
88.7691

■ 19.4554, 8.3958,
75.4586

■ 91.2830, 98.4932,
89.0634

■ 19.3820, 8.3418,
75.4520

Harmonies

Analogous

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



34.2244, 33.6434, 94.4294



41.8756, 33.6434, 79.1496



47.3775, 33.6434, 53.7016

Triad

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



41.8756, 33.6434, 79.1496



37.4845, 33.6434, 10.0581



19.7451, 33.6434, 43.2902

Complementary

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



41.8756, 33.6434, 79.1496



54.4438, 69.5348, 34.9795

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.



20.3380, 33.6434, 23.6271



41.8756, 33.6434, 79.1496



29.8302, 33.6434, 9.1100

Square

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



41.8756, 33.6434, 79.1496



44.5795, 33.6434, 16.3905



23.7759, 33.6434, 12.9568



22.0063, 33.6434, 69.0268

Rectangle

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



41.8756, 33.6434, 79.1496



48.6556, 33.6434, 37.5260



23.7759, 33.6434, 12.9568



19.6256, 33.6434, 35.7522

Sweetspot

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



41.8768, 33.6447, 79.1504



79.9103, 78.8398, 105.6136



43.7994, 48.9392, 82.0012



16.7782, 16.4246, 22.5359



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.



41.8768, 33.6447, 79.1504



47.1098, 35.0935, 98.8985



53.7684, 39.7751, 79.7069



14.1656, 14.1876, 18.1362



11.1066, 4.7915, 42.7227



0.9253, 0.4080, 3.1619

Inverse Universe

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



51.2707, 39.0511, 54.1267



60.7803, 42.9720, 61.9888



44.9161, 64.6231, 34.5336



14.7204, 14.5053, 16.7279



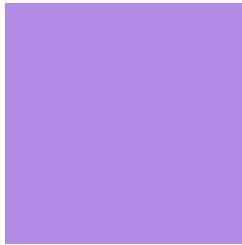
20.8733, 10.4835, 13.4937



1.5888, 0.7932, 1.2410

Previews

White Background



This preview shows how the XYZ color 41.8756, 33.6434, 79.1496 looks on a white background.

Color Contrast Check

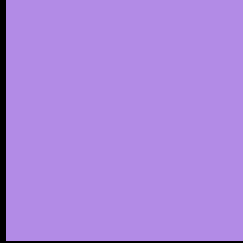
Large Text (above 18pt) WCAG AA × Fail

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 41.8756, 33.6434, 79.1496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

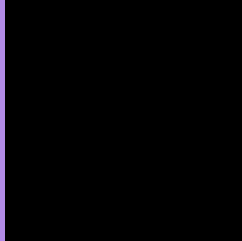
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8756, 33.6434, 79.1496

Background



This preview shows how black text looks on a background with the XYZ color 41.8756, 33.6434, 79.1496.

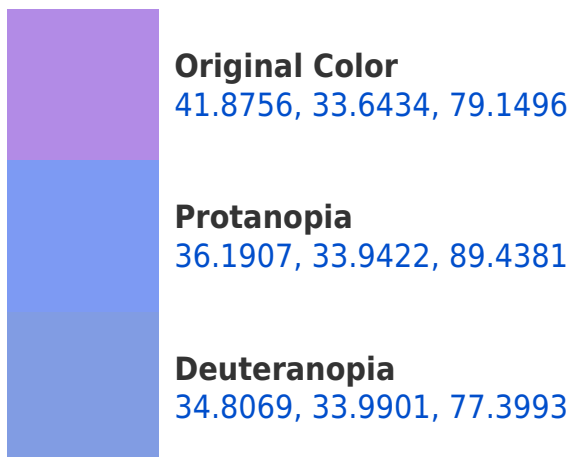


This preview shows how white text looks on a background with the XYZ color 41.8756, 33.6434,

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





Tritanopia

34.1191, 33.7146, 40.3066

Trichromacy



Original Color

41.8756, 33.6434, 79.1496

Protanomaly

37.6817, 33.5972, 85.3878

Deuteranomaly

36.9426, 33.6172, 77.9405

Tritanomaly

36.5698, 33.5119, 52.6851

Monochromacy



Original Color

41.8756, 33.6434, 79.1496

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.1905, 34.5431, 51.2144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8756, 33.6434, 79.1496 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(178, 139, 230)` looks like.

```
.text, #text, p{  
    color:rgb(178, 139, 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(178, 139, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 139, 230) }
```

Border

The CSS property to change the border of an element to XYZ 41.8756, 33.6434, 79.1496 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(178, 139, 230) }
```


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

```
.border{ border-color:rgb(178, 139, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 139, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 139, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 139, 230);  
box-shadow:4px 4px 4px 4px rgb(178, 139,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8756, 33.6434, 79.1496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 139, 230) }
```

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

```
.background{ background-color: rgb(178,  
139, 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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