

Converting Colors

XYZ(36.4870, 29.0701, 81.8708)

Have a look what the booklet for
XYZ(36.4870, 29.0701, 81.8708)
contains.

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Color

**XYZ(36.4852, 29.1417,
81.5438)**

Conversions

Conversions Part 1

Format	Color
Hex	9B83EA
RGB	155, 131, 234
RGB Percent	61%, 51%, 92%
CMY	0.3921, 0.4863, 0.0824
CMYK	0.34, 0.44, 0.00, 0.08
HSL	254°, 71%, 72%
HSV	254°, 44%, 92%
XYZ	36.4852, 29.1417, 81.5438
YIQ	149.9180, -18.7590, 37.1210

Conversions

Conversions Part 2

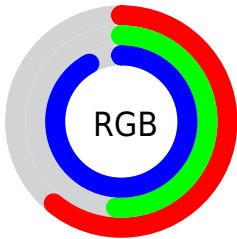
Format	Color
R_{YB}	155, 131, 234
Decimal	10191850
CIE _{Lab}	60.91, 31.89, -49.03
CIE _{LCh}	61, 58.485, 303.041
Yxy	29.1417, 0.2479, 0.1980
Android (android.graphics.Color)	4288381930 (0xFF9B83EA)
YUV	149.9180, 41.4524, 4.4569
Hunter-Lab	53.9831, 26.1714, -51.7720

Details

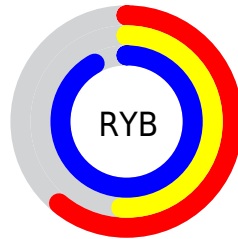
The XYZ color **36.4852, 29.1417, 81.5438** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **60.0981, 74.1863, 32.6255**, and the grayscale version is **28.7912, 30.2906, 32.9865**.

A 20% lighter version of the original color is **62.3419, 55.4980, 102.0342**, and **16.2338, 11.8085, 43.5431** is the 20% darker color. If you saturate the color by 10%, you get **30.4979, 21.9052, 80.4631**, and if you desaturate by 10%, it is **43.6963, 38.0636, 82.8864**.

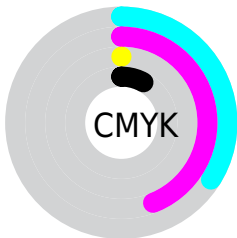
Distribution



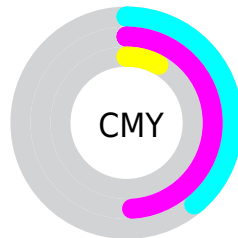
- Red (61%)
- Green (51%)
- Blue (92%)



- Red (61%)
- Yellow (51%)
- Blue (92%)



- Cyan (34%)
- Magenta (44%)
- Yellow (0%)
- Black (8%)



- Cyan (39%)
- Magenta (49%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4852, 29.1417, 81.5438 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 36.4852, 29.1417, 81.5438 by changing the saturation by 10% instead.

■ 36.4852, 29.1417,
81.5438

■ 36.4852, 29.1417,
81.5438

322.4707,
297.8830, 519.9638

■ 24.9810, 19.1880,
60.4560

■ 69.0993, 58.3021,
137.3650

■ 16.1916, 11.8062,
43.3586

■ 90.9399, 78.2777,
172.9354

■ 9.7515, 6.6119,
29.8331

■ 116.9567,
102.3627, 214.1705

■ 5.2955, 3.2206,
19.4609

147.5150,
130.9415, 261.4887

■ 2.4582, 1.2479,
11.8236

182.9802,
164.3986, 315.3086

■ 0.8742, 0.1004,
6.5026

223.7176,

■ 0.0000, 0.0000,

203.1182, 376.0487

3.0794

270.0927,
247.4849, 444.1276

■ 0.0000, 0.0000,
1.1353

■ 0.0000, 0.0000,
0.0000

■ 36.4852, 29.1417,
81.5438

■ 36.4852, 29.1417,
81.5438

■ 30.4979, 21.9052,
80.4631

■ 43.6963, 38.0636,
82.8864

■ 25.6602, 16.2424,
79.6251

■ 52.1928, 48.7661,
84.5043

■ 21.8946, 12.0330,
79.0111

■ 62.0361, 61.3412,
86.4128

■ 19.1118, 9.1377,
78.5989

■ 73.2826, 75.8737,
88.6251

■ 17.2062, 7.3877,
78.3615

■ 85.9852, 92.4429,
91.1538

■ 16.4012, 6.7395,
78.2788

■ 91.8514, 98.7206,
92.0563

Harmonies

Analogous

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



28.4833, 29.1417, 94.8351



36.4852, 29.1417, 81.5438



42.9281, 29.1417, 54.8248

Triad

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



36.4852, 29.1417, 81.5438



34.8904, 29.1417, 7.0916



15.4864, 29.1417, 34.0101

Complementary

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



36.4852, 29.1417, 81.5438



60.0981, 74.1863, 32.6255

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.



16.5783, 29.1417, 16.2483



36.4852, 29.1417, 81.5438



26.9279, 29.1417, 5.5590

Square

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



36.4852, 29.1417, 81.5438



41.8949, 29.1417, 13.9021



20.4493, 29.1417, 7.9438



17.1368, 29.1417, 60.5692

Rectangle

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



36.4852, 29.1417, 81.5438



44.9479, 29.1417, 37.0942



20.4493, 29.1417, 7.9438



15.5458, 29.1417, 26.9102

Sweetspot

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



36.4863, 29.1428, 81.5445



76.6283, 76.1356, 105.2646



47.6765, 57.6954, 86.4659



15.7951, 15.5168, 22.4125



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.



36.4863, 29.1428, 81.5445



37.5748, 27.2291, 97.8831



48.0947, 35.1271, 82.0878



14.5597, 14.7183, 18.9958



9.3082, 3.8345, 43.9925



0.8137, 0.3438, 3.4583

Inverse Universe

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



53.6813, 38.3790, 65.5510



61.3261, 40.0120, 74.6615



48.0542, 67.9775, 32.0619



15.5559, 15.2502, 18.2129



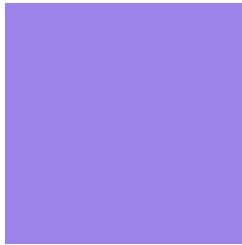
23.7178, 11.6898, 25.3790



1.8988, 0.9325, 2.1843

Previews

White Background



This preview shows how the XYZ color 36.4852, 29.1417, 81.5438 looks on a white background.

Color Contrast Check

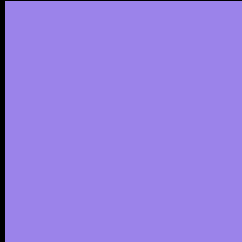
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.4852, 29.1417, 81.5438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

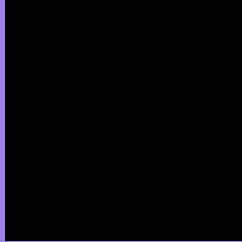
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.4852, 29.1417, 81.5438

Background



This preview shows how black text looks on a background with the XYZ color 36.4852, 29.1417, 81.5438.



This preview shows how white text looks on a background with the XYZ color 36.4852, 29.1417,

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

36.4852, 29.1417, 81.5438

Protanopia

32.2804, 29.5423, 90.3871

Deuteranopia

30.3370, 29.4617, 79.6891



Tritanopia

27.4954, 29.1720, 36.9825

Trichromacy



Original Color

36.4852, 29.1417, 81.5438

Protanomaly

33.2782, 29.0271, 87.0679

Deuteranomaly

31.9755, 28.9409, 80.2448

Tritanomaly

30.2130, 28.9109, 50.4423

Monochromacy



Original Color

36.4852, 29.1417, 81.5438

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

31.1118, 29.6565, 47.8006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4852, 29.1417, 81.5438 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(155, 131, 234)` looks like.

```
.text, #text, p{  
    color:rgb(155, 131, 234)  
}
```

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(155, 131, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 131, 234) }
```

Border

The CSS property to change the border of an element to XYZ 36.4852, 29.1417, 81.5438 is called "border". The border property can be set on classes, ids or directly on the HTML element.

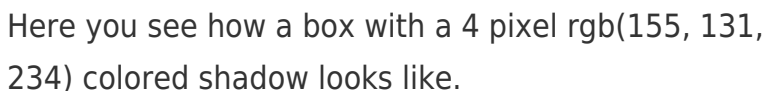
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 131, 234) }
```


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

```
.border{ border-color:rgb(155, 131, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 131, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 131, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 131, 234);  
box-shadow:4px 4px 4px 4px rgb(155, 131,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4852, 29.1417, 81.5438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 131, 234) }
```

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

```
.background{ background-color: rgb(155,  
131, 234) }
```

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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