

Converting Colors

XYZ(36.1336, 28.5306, 79.3565)

Have a look what the booklet for
XYZ(36.1336, 28.5306, 79.3565)
contains.

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Color

**XYZ(36.1787, 28.6381,
79.2222)**

Conversions

Conversions Part 1

Format	Color
Hex	9D81E7
RGB	157, 129, 231
RGB Percent	62%, 51%, 91%
CMY	0.3843, 0.4941, 0.0941
CMYK	0.32, 0.44, 0.00, 0.09
HSL	256°, 68%, 71%
HSV	256°, 44%, 91%
XYZ	36.1787, 28.6381, 79.2222
YIQ	149.0000, -16.0540, 37.6580

Conversions

Conversions Part 2

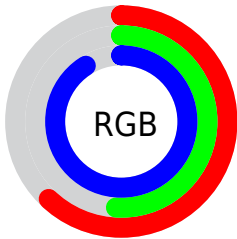
Format	Color
R_{YB}	157, 129, 231
Decimal	10322407
CIE _{Lab}	60.46, 32.79, -48.05
CIE _{LCh}	60, 58.175, 304.306
Yxy	28.6381, 0.2512, 0.1988
Android (android.graphics.Color)	4288512487 (0xFF9D81E7)
YUV	149.0000, 40.4260, 7.0160
Hunter-Lab	53.5146, 27.0250, -50.3118

Details

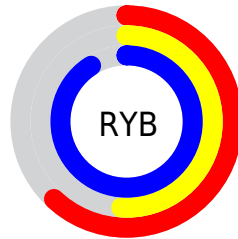
The XYZ color **36.1787, 28.6381, 79.2222** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **57.1672, 71.4337, 31.5448**, and the grayscale version is **28.4082, 29.8877, 32.5477**.

A 20% lighter version of the original color is **62.5095, 54.9720, 101.9238**, and **16.0133, 11.5119, 41.9355** is the 20% darker color. If you saturate the color by 10%, you get **30.4244, 21.6543, 78.1780**, and if you desaturate by 10%, it is **43.0714, 37.2307, 80.5180**.

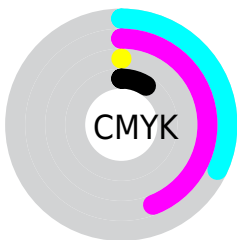
Distribution



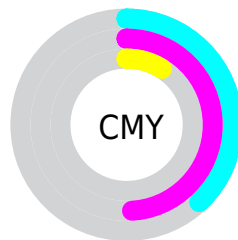
- Red (62%)
- Green (51%)
- Blue (91%)



- Red (62%)
- Yellow (51%)
- Blue (91%)



- Cyan (32%)
- Magenta (44%)
- Yellow (0%)
- Black (9%)





- Cyan (38%)
- Magenta (49%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1787, 28.6381, 79.2222 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 36.1787, 28.6381, 79.2222 by changing the saturation by 10% instead.


 36.1787, 28.6381,
79.2222


 36.1787, 28.6381,
79.2222


321.1586,
295.5036, 511.9452


 24.7430, 18.8072,
58.5561


 68.6299, 57.5016,
134.0731

 16.0134, 11.5311,
41.8382


 90.3760, 77.3030,
169.0951

 9.6245, 6.4252,
28.6500


 116.2897,
101.1967, 209.7394

 5.2111, 3.1053,
18.5729

146.7363,
129.5671, 256.4245

 2.4077, 1.1870,
11.1884

182.0811,
162.7986, 309.5692

 0.8489, 0.0510,
6.0780

222.6895,

 0.0000, 0.0000,

201.2756, 369.5918

2.8230

268.9269,
245.3824, 436.9110

■ 0.0000, 0.0000,
1.0050

■ 0.0000, 0.0000,
0.0000

■ 36.1787, 28.6381,
79.2222

■ 36.1787, 28.6381,
79.2222

■ 30.4244, 21.6543,
78.1780

■ 43.0714, 37.2307,
80.5180

■ 25.7402, 16.1728,
77.3668

■ 51.1588, 47.5227,
82.0783

■ 22.0550, 12.0791,
76.7709

■ 60.4974, 59.6019,
83.9176

■ 19.2866, 9.2402,
76.3689

■ 71.1390, 73.5487,
86.0487

■ 17.3380, 7.4951,
76.1347

■ 83.1322, 89.4389,
88.4837

■ 16.5004, 6.8401,
76.0524

■ 91.4239, 98.5496,
89.8053

Harmonies

Analogous

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



28.3163, 28.6381, 93.1178



36.1787, 28.6381, 79.2222



42.3842, 28.6381, 52.7227

Triad

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



36.1787, 28.6381, 79.2222



33.9596, 28.6381, 6.8145



15.2278, 28.6381, 34.3854

Complementary

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



36.1787, 28.6381, 79.2222



57.1672, 71.4337, 31.5448

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.



16.1873, 28.6381, 16.4901



36.1787, 28.6381, 79.2222



26.1517, 28.6381, 5.4747

Square

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



36.1787, 28.6381, 79.2222



40.9468, 28.6381, 13.2225



19.8771, 28.6381, 8.0021



16.9647, 28.6381, 60.7151

Rectangle

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



36.1787, 28.6381, 79.2222



44.2295, 28.6381, 35.4596



19.8771, 28.6381, 8.0021



15.2484, 28.6381, 27.2631

Sweetspot

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



36.1798, 28.6392, 79.2229



77.0705, 76.3636, 105.2853



45.0232, 53.5282, 83.5608



15.9031, 15.5725, 22.4176



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.



36.1798, 28.6392, 79.2229



38.6437, 27.7802, 97.9331



48.0629, 34.7651, 79.7790



13.9523, 14.0776, 18.1262



9.3529, 3.8875, 42.6406



0.7787, 0.3324, 3.1551

Inverse Universe

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



51.5853, 37.0020, 60.9230



60.5800, 39.7135, 70.7323



45.6383, 65.4903, 31.0052



14.8174, 14.5442, 17.2390



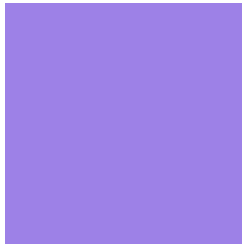
22.4706, 11.1225, 21.9051



1.6992, 0.8374, 1.8223

Previews

White Background



This preview shows how the XYZ color 36.1787, 28.6381, 79.2222 looks on a white background.

Color Contrast Check

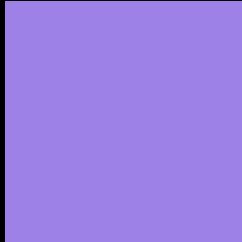
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.1787, 28.6381, 79.2222 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 36.1787, 28.6381, 79.2222

Background



This preview shows how black text looks on a background with the XYZ color 36.1787, 28.6381, 79.2222.



This preview shows how white text looks on a background with the XYZ color 36.1787, 28.6381,

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

36.1787, 28.6381, 79.2222

Protanopia

31.5596, 28.7601, 88.6819

Deuteranopia

29.7375, 28.9874, 76.7008



Tritanopia

27.5200, 28.7429, 35.9958

Trichromacy



Original Color

36.1787, 28.6381, 79.2222

Protanomaly

32.6940, 28.3343, 85.4073

Deuteranomaly

31.5501, 28.5686, 77.2502

Tritanomaly

30.0624, 28.4199, 49.2485

Monochromacy



Original Color

36.1787, 28.6381, 79.2222

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.7586, 29.2761, 46.6775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1787, 28.6381, 79.2222 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(157, 129, 231)` looks like.

```
.text, #text, p{  
    color:rgb(157, 129, 231)  
}
```

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(157, 129, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 129, 231) }
```

Border

The CSS property to change the border of an element to XYZ 36.1787, 28.6381, 79.2222 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(157, 129, 231) }
```


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

```
.border{ border-color:rgb(157, 129, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 129, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 129, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 129, 231);  
box-shadow:4px 4px 4px 4px rgb(157, 129,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1787, 28.6381, 79.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 129, 231) }
```

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

```
.background{ background-color: rgb(157,  
129, 231) }
```

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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