

Converting Colors

XYZ(42.1019, 36.5293, 99.4396)

Have a look what the booklet for
XYZ(42.1019, 36.5293, 99.4396)
contains.

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Color

**XYZ(42.0189, 36.4865,
99.4357)**

Conversions

Conversions Part 1

Format	Color
Hex	9699FF
RGB	150, 153, 255
RGB Percent	59%, 60%, 100%
CMY	0.4117, 0.4000, 0.0000
CMYK	0.41, 0.40, 0.00, 0.00
HSL	238°, 100%, 79%
HSV	238°, 41%, 100%
XYZ	42.0189, 36.4865, 99.4357
YIQ	163.7310, -34.5300, 31.0860

Conversions

Conversions Part 2

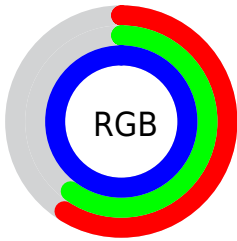
Format	Color
R _Y B	150, 153, 255
Decimal	9869823
CIE Lab	66.89, 23.61, -51.13
CIE LCh	67, 56.315, 294.788
Yxy	36.4865, 0.2361, 0.2050
Android (android.graphics.Color)	4288059903 (0xFF9699FF)
YUV	163.7310, 44.9956, -12.0421
Hunter-Lab	60.4041, 18.4629, -55.3189

Details

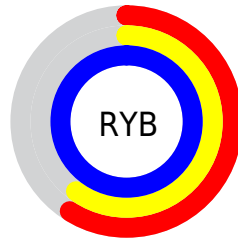
The XYZ color **42.0189, 36.4865, 99.4357** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.5564, 93.0842, 42.5246**, and the grayscale version is **34.9649, 36.7858, 40.0597**.

A 20% lighter version of the original color is **66.3752, 65.2555, 103.7050**, and **19.4586, 15.9071, 55.4709** is the 20% darker color. If you saturate the color by 10%, you get **34.1846, 27.0414, 98.0255**, and if you desaturate by 10%, it is **51.7182, 48.1436, 101.1745**.

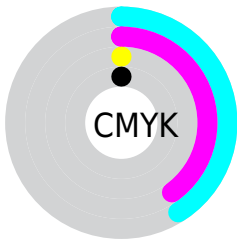
Distribution



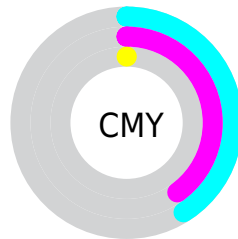
- Red (59%)
- Green (60%)
- Blue (100%)



- Red (59%)
- Yellow (60%)
- Blue (100%)



- Cyan (41%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0189, 36.4865, 99.4357 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 42.0189, 36.4865, 99.4357 by changing the saturation by 10% instead.

■ 42.0189, 36.4865,
99.4357

■ 42.0189, 36.4865,
99.4357

345.5516,
331.0820, 579.6132

■ 29.3073, 24.8102,
75.2151

■ 77.4932, 69.7823,
162.4266

■ 19.4588, 15.9357,
55.2863

■ 100.9866, 92.1706,
202.0340

■ 12.1083, 9.4786,
39.2309

128.8046,
118.8983, 247.6073

■ 6.8902, 5.0547,
26.6302

161.3126,
150.3498, 299.5653

■ 3.4392, 2.2794,
17.0657

198.8760,
186.9095, 358.3263

■ 1.3901, 0.7628,
10.1189

241.8600,

■ 0.2491, 0.0000,

228.9619, 424.3089

5.3712

290.6301,
276.8912, 497.9317

■ 0.0000, 0.0000,
2.4041

■ 0.0000, 0.0000,
0.7887

■ 42.0189, 36.4865,
99.4357

■ 42.0189, 36.4865,
99.4357

■ 34.1846, 27.0414,
98.0255

■ 51.7182, 48.1436,
101.1745

■ 28.0921, 19.6649,
96.9228

■ 63.3876, 62.1360,
103.2603

■ 23.6095, 14.2032,
96.1049

■ 77.1287, 78.5828,
105.7106

■ 20.5844, 10.4789,
95.5455

■ 93.0352, 97.5937,
108.5417

■ 18.8350, 8.2821,
95.2136

95.0500, 100.0000,
108.9000

■ 18.1290, 7.3781,
95.0763

Harmonies

Analogous

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



33.2110, 36.4865, 107.2507



42.0189, 36.4865, 99.4357



49.8766, 36.4865, 73.4254

Triad

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



42.0189, 36.4865, 99.4357



45.0200, 36.4865, 12.3847



20.7780, 36.4865, 35.6124

Complementary

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



42.0189, 36.4865, 99.4357



81.5564, 93.0842, 42.5246

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.



22.9328, 36.4865, 18.3350



42.0189, 36.4865, 99.4357



36.1903, 36.4865, 8.9106

Square

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



42.0189, 36.4865, 99.4357



51.7987, 36.4865, 23.1113



28.2484, 36.4865, 10.5251



21.8206, 36.4865, 62.8499

Rectangle

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



42.0189, 36.4865, 99.4357



53.0318, 36.4865, 53.3683



28.2484, 36.4865, 10.5251



21.1403, 36.4865, 28.6351

Sweetspot

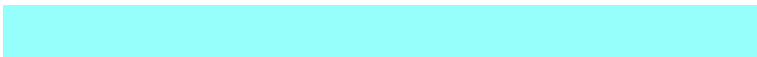
The Sweet Spot groups the original color and five complimentary colors.



42.0202, 36.4878, 99.4359



75.9139, 77.1298, 105.4942



65.8301, 85.0011, 104.6179



15.8436, 16.0243, 22.5079



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.



42.0202, 36.4878, 99.4359



35.7360, 28.9145, 98.3053



52.5109, 41.1766, 99.7880



17.0446, 17.4608, 22.7219



9.4908, 3.8912, 49.6854



0.9381, 0.4068, 4.8424

Inverse Universe

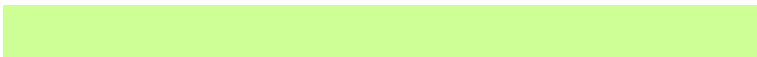
The Inverse Universe completely reimagines the original color for something new.



57.8971, 45.3741, 35.8447



53.5057, 38.9492, 27.1126



66.7196, 86.8443, 42.1022



18.0304, 17.9955, 18.7773



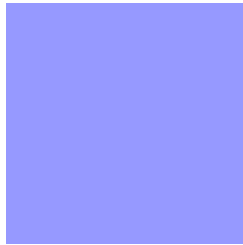
21.5787, 11.1208, 1.1660



2.1081, 1.0856, 0.1507

Previews

White Background



This preview shows how the XYZ color 42.0189, 36.4865, 99.4357 looks on a white background.

Color Contrast Check

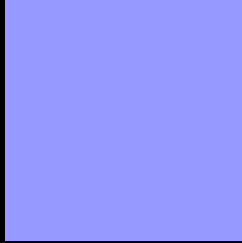
Large Text (above 18pt) WCAG AA × Fail

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 42.0189, 36.4865, 99.4357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

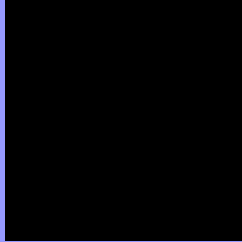
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0189, 36.4865, 99.4357

Background



This preview shows how black text looks on a background with the XYZ color 42.0189, 36.4865, 99.4357.



This preview shows how white text looks on a background with the XYZ color 42.0189, 36.4865,

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

42.0189, 36.4865, 99.4357

Protanopia

39.2005, 36.5283, 99.5923

Deuteranopia

37.7202, 36.5773, 98.0006



Tritanopia

32.1472, 36.6589, 49.6375

Trichromacy



Original Color

42.0189, 36.4865, 99.4357

Protanomaly

40.0986, 36.4848, 99.5366

Deuteranomaly

39.1896, 36.5412, 98.7536

Tritanomaly

35.2533, 36.2868, 65.4676

Monochromacy



Original Color

42.0189, 36.4865, 99.4357

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.9469, 36.5438, 57.9297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0189, 36.4865, 99.4357 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(150, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 153, 255)  
}
```

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(150, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.0189, 36.4865, 99.4357 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(150, 153, 255) }
```


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

```
.border{ border-color:rgb(150, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0189, 36.4865, 99.4357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 153, 255) }
```

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

```
.background{ background-color: rgb(150,  
153, 255) }
```

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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