

Converting Colors

XYZ(39.4670, 36.3765, 99.5490)

Have a look what the booklet for
XYZ(39.4670, 36.3765, 99.5490)
contains.

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Color

**XYZ(39.4828, 36.4195,
99.5564)**

Conversions

Conversions Part 1

Format	Color
Hex	829EFF
RGB	130, 158, 255
RGB Percent	51%, 62%, 100%
CMY	0.4902, 0.3804, 0.0000
CMYK	0.49, 0.38, 0.00, 0.00
HSL	227°, 100%, 75%
HSV	227°, 49%, 100%
XYZ	39.4828, 36.4195, 99.5564
YIQ	160.6860, -47.8250, 24.2310

Conversions

Conversions Part 2

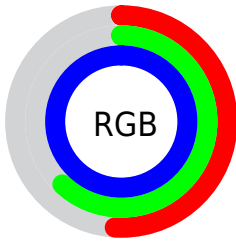
Format	Color
RYB	130, 153, 255
Decimal	8560383
CIELab	66.84, 16.01, -51.29
CIELCh	67, 53.732, 287.332
Yxy	36.4195, 0.2250, 0.2076
Android (android.graphics.Color)	4286750463 (0xFF829EFF)
YUV	160.6860, 46.4968, -26.9116
Hunter-Lab	60.3486, 11.1729, -55.5661

Details

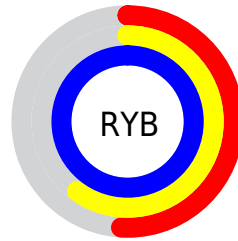
The XYZ color **39.4828, 36.4195, 99.5564** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.7399, 77.8123, 32.3067**, and the grayscale version is **33.5391, 35.2858, 38.4262**.

A 20% lighter version of the original color is **62.3325, 64.9983, 103.8684**, and **17.9765, 15.8947, 55.5466** is the 20% darker color. If you saturate the color by 10%, you get **32.9370, 28.4317, 98.3596**, and if you desaturate by 10%, it is **47.5437, 45.9963, 100.9801**.

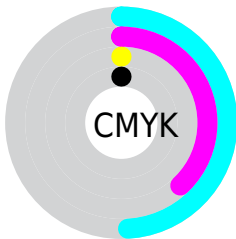
Distribution



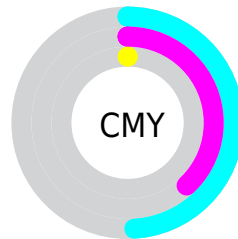
- Red (51%)
- Green (62%)
- Blue (100%)



- Red (51%)
- Yellow (60%)
- Blue (100%)



- Cyan (49%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4828, 36.4195, 99.5564 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 39.4828, 36.4195, 99.5564 by changing the saturation by 10% instead.

■ 39.4828, 36.4195,
99.5564

■ 39.4828, 36.4195,
99.5564

335.1107,
330.7904, 580.0040

■ 27.3179, 24.7584,
75.3153

■ 73.6647, 69.6791,
162.5940

■ 17.9500, 15.8971,
55.3679

■ 96.4124, 92.0463,
202.2276

■ 11.0135, 9.4514,
39.2958

■ 123.4184,
118.7510, 247.8291

■ 6.1433, 5.0368,
26.6803

155.0481,
150.1775, 299.8170

■ 2.9739, 2.2688,
17.1030

191.6668,
186.7104, 358.6099

■ 1.1400, 0.7571,
10.1452

233.6399,

■ 0.0582, 0.0000,

228.7338, 424.6264

5.3885

281.3328,
276.6324, 498.2849

■ 0.0000, 0.0000,
2.4143

■ 0.0000, 0.0000,
0.7942

■ 39.4828, 36.4195,
99.5564

■ 39.4828, 36.4195,
99.5564

■ 32.9370, 28.4317,
98.3596

■ 47.5437, 45.9963,
100.9801

■ 27.8035, 21.9397,
97.3771

■ 57.2055, 57.2405,
102.6412

■ 23.9724, 16.8456,
96.5958

■ 68.5521, 70.2299,
104.5504

■ 21.3141, 13.0370,
96.0008

■ 81.6602, 85.0357,
106.7173

■ 19.6484, 10.3702,
95.5738

95.0500, 100.0000,
108.9000

■ 19.5188, 10.1576,
95.5396

Harmonies

Analogous

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



31.3004, 36.4195, 101.3077



39.4828, 36.4195, 99.5564



47.4243, 36.4195, 78.3784

Triad

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



39.4828, 36.4195, 99.5564



46.3238, 36.4195, 15.0105



21.4980, 36.4195, 30.6272

Complementary

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



39.4828, 36.4195, 99.5564



72.7399, 77.8123, 32.3067

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.



24.3497, 36.4195, 16.3988



39.4828, 36.4195, 99.5564



38.1571, 36.4195, 10.0557

Square

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



39.4828, 36.4195, 99.5564



51.7786, 36.4195, 27.7605



30.1659, 36.4195, 10.4381



21.7384, 36.4195, 54.5372

Rectangle

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



39.4828, 36.4195, 99.5564



51.1305, 36.4195, 59.5244



30.1659, 36.4195, 10.4381



22.1054, 36.4195, 24.7864

Sweetspot

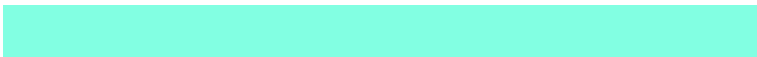
The Sweet Spot groups the original color and five complimentary colors.



39.4841, 36.4207, 99.5566



73.6020, 75.9555, 105.3894



58.6717, 81.7482, 84.5194



15.1790, 15.6066, 22.4623



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.



39.4841, 36.4207, 99.5566



32.9470, 28.4441, 98.3615



41.2070, 31.0091, 98.4213



17.3329, 18.0375, 22.8180



10.2894, 5.4884, 49.9516



1.0791, 0.6889, 4.8894

Inverse Universe

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



55.3952, 39.6956, 37.0910



50.8512, 33.1139, 27.8503



69.8124, 88.6091, 34.5450



18.1759, 18.0537, 19.5437



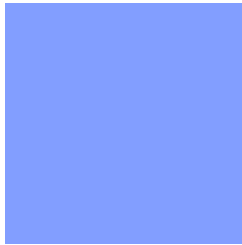
21.9818, 11.2820, 3.2888



2.1793, 1.1141, 0.5256

Previews

White Background



This preview shows how the XYZ color 39.4828, 36.4195, 99.5564 looks on a white background.

Color Contrast Check

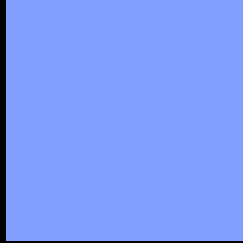
Large Text (above 18pt) WCAG AA × Fail

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 39.4828, 36.4195, 99.5564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

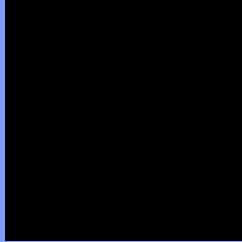
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.4828, 36.4195, 99.5564

Background



This preview shows how black text looks on a background with the XYZ color 39.4828, 36.4195, 99.5564.



This preview shows how white text looks on a background with the XYZ color 39.4828, 36.4195,

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

39.4828, 36.4195, 99.5564

Protanopia

39.0523, 36.4519, 99.5854

Deuteranopia

37.6198, 36.5071, 98.8297



Tritanopia

29.9221, 36.3014, 51.8842

Trichromacy



Original Color

39.4828, 36.4195, 99.5564

Protanomaly

39.2005, 36.5283, 99.5923

Deuteranomaly

38.2420, 36.5674, 98.8086

Tritanomaly

32.9127, 36.1225, 66.8657

Monochromacy



Original Color

39.4828, 36.4195, 99.5564

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.9988, 35.5658, 56.6500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4828, 36.4195, 99.5564 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(130, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 158, 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(130, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.4828, 36.4195, 99.5564 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(130, 158, 255) }
```


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

```
.border{ border-color:rgb(130, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 158,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4828, 36.4195, 99.5564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 158, 255) }
```

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

```
.background{ background-color: rgb(130,  
158, 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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