

Converting Colors

XYZ(41.3787, 37.7160,
112.0286)

Have a look what the booklet for
XYZ(41.3787, 37.7160, 112.0286)
contains.

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Color

**XYZ(38.9330, 36.6467,
99.6293)**

Conversions

Conversions Part 1

Format	Color
Hex	7CA0FF
RGB	124, 160, 255
RGB Percent	49%, 63%, 100%
CMY	0.5137, 0.3725, 0.0000
CMYK	0.51, 0.37, 0.00, 0.00
HSL	224°, 100%, 74%
HSV	224°, 51%, 100%
XYZ	38.9330, 36.6467, 99.6293
YIQ	160.0660, -51.9510, 21.9130

Conversions

Conversions Part 2

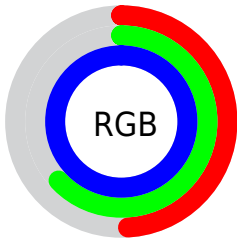
Format	Color
RYB	124, 152, 255
Decimal	8167679
CIELab	67.01, 13.53, -51.04
CIELCh	67, 52.805, 284.842
Yxy	36.6467, 0.2222, 0.2092
Android (android.graphics.Color)	4286357759 (0xFF7CA0FF)
YUV	160.0660, 46.8025, -31.6299
Hunter-Lab	60.5365, 8.8602, -55.2023

Details

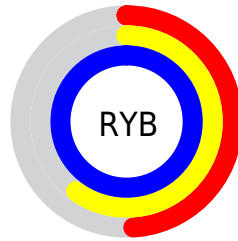
The XYZ color **38.9330, 36.6467, 99.6293** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.2111, 73.3805, 29.5342**, and the grayscale version is **33.2536, 34.9853, 38.0990**.

A 20% lighter version of the original color is **61.6250, 65.3804, 103.9794**, and **17.6483, 16.0386, 55.5917** is the 20% darker color. If you saturate the color by 10%, you get **32.7420, 29.0452, 98.4883**, and if you desaturate by 10%, it is **46.5561, 45.6954, 100.9741**.

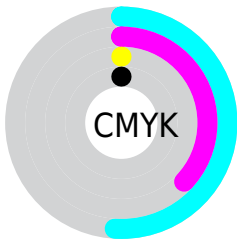
Distribution



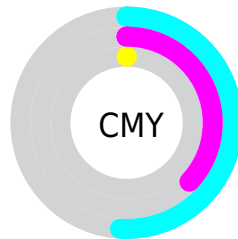
- Red (49%)
- Green (63%)
- Blue (100%)



- Red (49%)
- Yellow (60%)
- Blue (100%)



- Cyan (51%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9330, 36.6467, 99.6293 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 38.9330, 36.6467, 99.6293 by changing the saturation by 10% instead.

■ 38.9330, 36.6467,
99.6293

■ 38.9330, 36.6467,
99.6293

332.8176,
331.7784, 580.2400

■ 26.8881, 24.9341,
75.3758

■ 72.8307, 70.0291,
162.6951

■ 17.6254, 16.0279,
55.4173

■ 95.4142, 92.4676,
202.3445

■ 10.7794, 9.5439,
39.3350

■ 122.2412,
119.2502, 247.9630

■ 5.9849, 5.0976,
26.7106

153.6772,
150.7613, 299.9690

■ 2.8765, 2.3047,
17.1255

190.0875,
187.3853, 358.7812

■ 1.0888, 0.7762,
10.1611

231.8374,

■ 0.0157, 0.0000,

229.5065, 424.8181

5.3989

279.2924,
277.5094, 498.4982

■ 0.0000, 0.0000,
2.4204

■ 0.0000, 0.0000,
0.7975

■ 38.9330, 36.6467,
99.6293

■ 38.9330, 36.6467,
99.6293

■ 32.7420, 29.0452,
98.4883

■ 46.5561, 45.6954,
100.9741

■ 27.8831, 22.8067,
97.5403

■ 55.6941, 56.2616,
102.5319

■ 24.2490, 17.8428,
96.7737

■ 66.4279, 68.4152,
104.3121

■ 21.7113, 14.0512,
96.1756

■ 78.8312, 82.2203,
106.3230

■ 20.2447, 11.6093,
95.7816

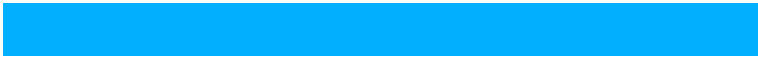
■ 92.9733, 97.7374,
108.5727

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



30.9528, 36.6467, 99.5133



38.9330, 36.6467, 99.6293



46.8768, 36.6467, 80.1243

Triad

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



38.9330, 36.6467, 99.6293



46.9502, 36.6467, 16.1585



21.9665, 36.6467, 29.4319

Complementary

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



38.9330, 36.6467, 99.6293



70.2111, 73.3805, 29.5342

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.



25.0496, 36.6467, 16.0643



38.9330, 36.6467, 99.6293



39.0216, 36.6467, 10.6519

Square

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



38.9330, 36.6467, 99.6293



51.9660, 36.6467, 29.6244



31.0288, 36.6467, 10.6258



21.9503, 36.6467, 52.3180

Rectangle

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



38.9330, 36.6467, 99.6293



50.7375, 36.6467, 61.7763



31.0288, 36.6467, 10.6258



22.6548, 36.6467, 23.9175

Sweetspot

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



38.9343, 36.6479, 99.6294



74.1315, 77.0144, 105.5659



56.7129, 80.8615, 78.8696



15.3052, 15.8590, 22.5044



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.



38.9343, 36.6479, 99.6294



32.3976, 28.6129, 98.4230



38.2801, 28.3498, 98.0622



17.4092, 18.1900, 22.8434



10.6844, 6.2783, 50.0833



1.1269, 0.7845, 4.9053

Inverse Universe

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



54.7938, 38.2150, 37.7470



50.2645, 31.6945, 28.4128



70.9567, 89.2442, 32.5569



18.2144, 18.0691, 19.7463



22.1812, 11.3618, 4.3386



2.2034, 1.1237, 0.6526

Previews

White Background



This preview shows how the XYZ color 38.9330, 36.6467, 99.6293 looks on a white background.

Color Contrast Check

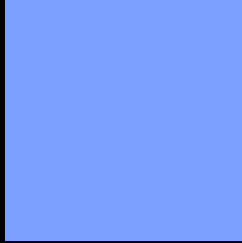
Large Text (above 18pt) WCAG AA × Fail

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 38.9330, 36.6467, 99.6293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

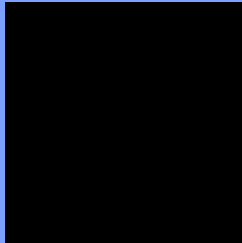
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9330, 36.6467, 99.6293

Background



This preview shows how black text looks on a background with the XYZ color 38.9330, 36.6467, 99.6293.



This preview shows how white text looks on a background with the XYZ color 38.9330, 36.6467,

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

38.9330, 36.6467, 99.6293

Protanopia

39.0399, 36.4641, 98.7466

Deuteranopia

37.6198, 36.5071, 98.8297



Tritanopia

29.6926, 36.7277, 53.1011

Trichromacy



Original Color

38.9330, 36.6467, 99.6293

Protanomaly

38.8917, 36.3877, 98.7396

Deuteranomaly

37.9704, 36.4274, 98.7959

Tritanomaly

32.5020, 36.4444, 67.6088

Monochromacy



Original Color

38.9330, 36.6467, 99.6293

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.4538, 35.2848, 56.6245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9330, 36.6467, 99.6293 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(124, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(124, 160, 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(124, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.9330, 36.6467, 99.6293 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(124, 160, 255) }
```


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

```
.border{ border-color:rgb(124, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(124, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9330, 36.6467, 99.6293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 160, 255) }
```

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

```
.background{ background-color: rgb(124,  
160, 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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