

Converting Colors

XYZ(46.3897, 37.7295,
141.4632)

Have a look what the booklet for
XYZ(46.3897, 37.7295, 141.4632)
contains.

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Color

**XYZ(38.4945, 34.6696,
99.2708)**

Conversions

Conversions Part 1

Format	Color
Hex	8199FF
RGB	129, 153, 255
RGB Percent	51%, 60%, 100%
CMY	0.4941, 0.4000, 0.0000
CMYK	0.49, 0.40, 0.00, 0.00
HSL	229°, 100%, 75%
HSV	229°, 49%, 100%
XYZ	38.4945, 34.6696, 99.2708
YIQ	157.4520, -47.0460, 26.6340

Conversions

Conversions Part 2

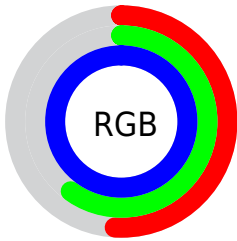
Format	Color
R _Y B	129, 149, 255
Decimal	8493567
CIE Lab	65.49, 18.68, -53.43
CIE LCh	65, 56.603, 289.271
Yxy	34.6696, 0.2232, 0.2011
Android (android.graphics.Color)	4286683647 (0xFF8199FF)
YUV	157.4520, 48.0912, -24.9524
Hunter-Lab	58.8809, 13.6562, -58.7439

Details

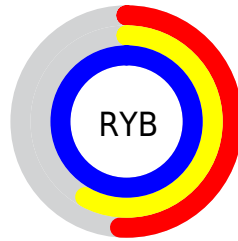
The XYZ color **38.4945, 34.6696, 99.2708** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **73.7798, 79.9990, 32.3236**, and the grayscale version is **32.0577, 33.7272, 36.7290**.

A 20% lighter version of the original color is **61.1019, 62.5370, 103.4582**, and **17.3987, 14.8452, 55.3745** is the 20% darker color. If you saturate the color by 10%, you get **32.0017, 26.7336, 98.0812**, and if you desaturate by 10%, it is **46.5406, 44.2751, 100.7007**.

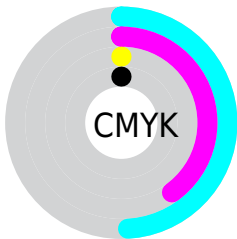
Distribution



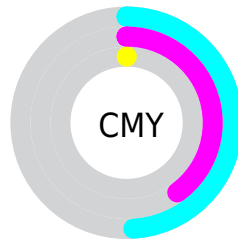
- Red (51%)
- Green (60%)
- Blue (100%)



- Red (51%)
- Yellow (58%)
- Blue (100%)



- Cyan (49%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4945, 34.6696, 99.2708 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 38.4945, 34.6696, 99.2708 by changing the saturation by 10% instead.

■ 38.4945, 34.6696,
99.2708

■ 38.4945, 34.6696,
99.2708

330.9808,
323.1076, 579.0789

■ 26.5457, 23.4085,
75.0782

■ 72.1645, 66.9736,
162.1979

■ 17.3671, 14.8954,
55.1748

■ 94.6163, 88.7853,
201.7694

■ 10.5935, 8.7460,
39.1422

■ 121.2999,
114.8826, 247.3044

■ 5.8595, 4.5759,
26.5617

152.5805,
145.6499, 299.2212

■ 2.7997, 2.0006,
17.0148

188.8236,
181.4717, 357.9386

■ 1.0487, 0.6078,
10.0830

230.3944,

■ 0.0000, 0.0000,

222.7323, 423.8750

5.3477

277.6583,
269.8161, 497.4489

■ 0.0000, 0.0000,
2.3904

■ 0.0000, 0.0000,
0.7812

■ 38.4945, 34.6696,
99.2708

■ 38.4945, 34.6696,
99.2708

■ 32.0017, 26.7336,
98.0812

■ 46.5406, 44.2751,
100.7007

■ 26.9552, 20.3656,
97.1180

■ 56.2299, 55.6363,
102.3830

■ 23.2396, 15.4580,
96.3666

■ 67.6498, 68.8376,
104.3292

■ 20.7192, 11.8872,
95.8102

■ 80.8803, 83.9567,
106.5502

■ 19.2003, 9.4926,
95.4280

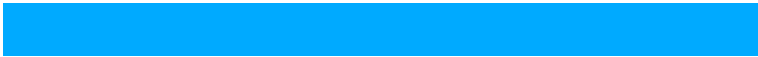
95.0500, 100.0000,
108.9000

■ 19.1303, 9.3805,
95.4101

Harmonies

Analogous

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



30.0747, 34.6696, 102.6592



38.4945, 34.6696, 99.2708



46.5587, 34.6696, 76.0288

Triad

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



38.4945, 34.6696, 99.2708



44.4780, 34.6696, 12.6567



19.6479, 34.6696, 29.8767

Complementary

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



38.4945, 34.6696, 99.2708



73.7798, 79.9990, 32.3236

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.



22.2945, 34.6696, 15.1200



38.4945, 34.6696, 99.2708



36.0081, 34.6696, 8.3254

Square

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



38.4945, 34.6696, 99.2708



50.3937, 34.6696, 24.6054



27.9695, 34.6696, 8.9840



20.0861, 34.6696, 54.8971

Rectangle

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



38.4945, 34.6696, 99.2708



50.2098, 34.6696, 56.3101



27.9695, 34.6696, 8.9840



20.1860, 34.6696, 23.7939

Sweetspot

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



38.4957, 34.6707, 99.2709



73.2561, 75.2635, 105.2740



59.0691, 81.8896, 87.4096



15.0966, 15.4419, 22.4349



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.



38.4957, 34.6707, 99.2709



32.2385, 27.0271, 98.1253



41.7960, 31.1162, 98.4109



17.2829, 17.9375, 22.8013



10.0753, 5.0602, 49.8803



1.0515, 0.6337, 4.8802

Inverse Universe

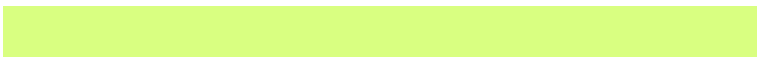
The Inverse Universe completely reimagines the original color for something new.



54.8410, 39.2620, 34.8258



50.4936, 32.9708, 25.9670



68.3981, 87.8878, 34.1300



18.1507, 18.0436, 19.4108



21.8738, 11.2388, 2.7197



2.1654, 1.1085, 0.4522

Previews

White Background



This preview shows how the XYZ color 38.4945, 34.6696, 99.2708 looks on a white background.

Color Contrast Check

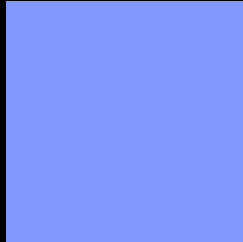
Large Text (above 18pt) WCAG AA × Fail

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 38.4945, 34.6696, 99.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

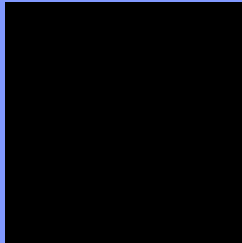
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4945, 34.6696, 99.2708

Background



This preview shows how black text looks on a background with the XYZ color 38.4945, 34.6696, 99.2708.



This preview shows how white text looks on a background with the XYZ color 38.4945, 34.6696,

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

38.4945, 34.6696, 99.2708

Protanopia

37.5171, 34.6558, 99.3196

Deuteranopia

35.9964, 34.8951, 98.6041



Tritanopia

28.5753, 34.8175, 49.4703

Trichromacy



Original Color

38.4945, 34.6696, 99.2708

Protanomaly

37.7740, 34.5422, 99.2841

Deuteranomaly

36.7564, 34.7804, 98.5419

Tritanomaly

31.5452, 34.3752, 65.2941

Monochromacy



Original Color

38.4945, 34.6696, 99.2708

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.5467, 33.8302, 55.2139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4945, 34.6696, 99.2708 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(129, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.4945, 34.6696, 99.2708 is called "border". The border property can be set on classes, ids or directly on the HTML element.

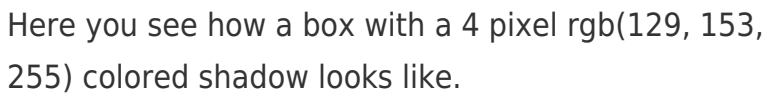
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 153, 255) }
```


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

```
.border{ border-color:rgb(129, 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(129, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 153, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 153, 255); box-shadow:4px 4px 4px 4px rgb(129, 153, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4945, 34.6696, 99.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 153, 255) }
```

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

```
.background{ background-color: rgb(129,  
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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