

Converting Colors

XYZ(53.6939, 45.3634,
189.1726)

Have a look what the booklet for
XYZ(53.6939, 45.3634, 189.1726)
contains.

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Color

**XYZ(36.7327, 38.4697,
100.0971)**

Conversions

Conversions Part 1

Format	Color
Hex	59ABFF
RGB	89, 171, 255
RGB Percent	35%, 67%, 100%
CMY	0.6509, 0.3294, 0.0000
CMYK	0.65, 0.33, 0.00, 0.00
HSL	210°, 100%, 67%
HSV	210°, 65%, 100%
XYZ	36.7327, 38.4697, 100.0971
YIQ	156.0580, -75.8360, 8.7400

Conversions

Conversions Part 2

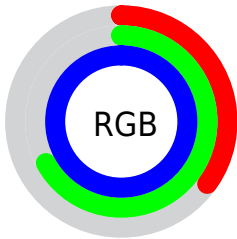
Format	Color
R _Y B	89, 144, 255
Decimal	5876735
CIE Lab	68.37, 0.56, -49.01
CIE LCh	68, 49.015, 270.652
Yxy	38.4697, 0.2095, 0.2195
Android (android.graphics.Color)	4284066815 (0xFF59ABFF)
YUV	156.0580, 48.7784, -58.8099
Hunter-Lab	62.0239, -2.8281, -52.2682

Details

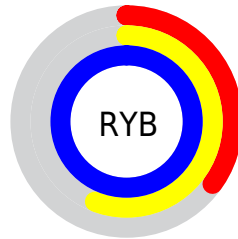
The XYZ color **36.7327, 38.4697, 100.0971** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **57.9884, 51.8711, 16.4090**, and the grayscale version is **31.4409, 33.0783, 36.0223**.

A 20% lighter version of the original color is **58.3832, 68.3850, 104.7302**, and **16.7899, 17.2709, 55.8748** is the 20% darker color. If you saturate the color by 10%, you get **32.3762, 32.7808, 99.2287**, and if you desaturate by 10%, it is **42.1768, 45.0736, 101.0849**.

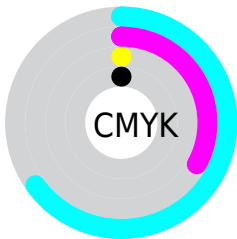
Distribution



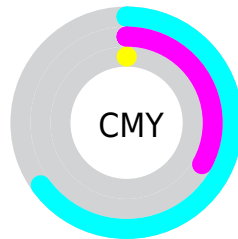
- Red (35%)
- Green (67%)
- Blue (100%)



- Red (35%)
- Yellow (56%)
- Blue (100%)



- Cyan (65%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7327, 38.4697, 100.0971 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 36.7327, 38.4697, 100.0971 by changing the saturation by 10% instead.

■ 36.7327, 38.4697,
100.0971

■ 36.7327, 38.4697,
100.0971

323.5275,
339.6306, 581.7533

■ 25.1733, 26.3474,
75.7643

■ 69.4780, 72.8275,
163.3437

■ 16.3357, 17.0837,
55.7338

■ 91.3946, 95.8318,
203.0945

■ 9.8543, 10.2942,
39.5869

■ 117.4944,
123.2323, 248.8217

■ 5.3640, 5.5945,
26.9053

■ 148.1426,
155.4133, 300.9440

■ 2.4993, 2.6001,
17.2703

183.7047,
192.7592, 359.8797

■ 0.8949, 0.9267,
10.2634

224.5459,

■ 0.0000, 0.0000,

235.6545, 426.0474

5.4661

271.0318,
284.4835, 499.8658

■ 0.0000, 0.0000,
2.4598

■ 0.0000, 0.0000,
0.8187

■ 36.7327, 38.4697,
100.0971

■ 36.7327, 38.4697,
100.0971

■ 32.3762, 32.7808,
99.2287

■ 42.1768, 45.0736,
101.0849

■ 29.0048, 27.9425,
98.4725

■ 48.7899, 52.6426,
102.1973

■ 26.4995, 23.8833,
97.8210

■ 56.6492, 61.2262,
103.4398

■ 25.5058, 22.1316,
97.5353

■ 65.8238, 70.8690,
104.8175

■ 76.3775, 81.6126,
106.3350

■ 88.3695, 93.4959,
107.9967

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.



29.7860, 38.4697, 90.6986



36.7327, 38.4697, 100.0971



44.6319, 38.4697, 89.8950

Triad

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



36.7327, 38.4697, 100.0971



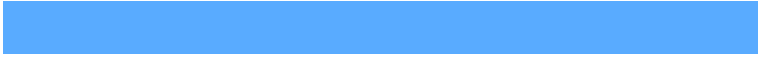
50.8157, 38.4697, 23.7956



25.1315, 38.4697, 24.3723

Complementary

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



36.7327, 38.4697, 100.0971



57.9884, 51.8711, 16.4090

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.



29.5326, 38.4697, 14.9989



36.7327, 38.4697, 100.0971



44.3001, 38.4697, 14.7573

Square

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



36.7327, 38.4697, 100.0971



53.4307, 38.4697, 41.4072



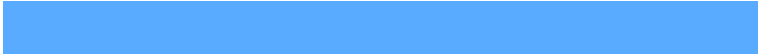
36.3964, 38.4697, 12.2102



23.6831, 38.4697, 42.3704

Rectangle

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



36.7327, 38.4697, 100.0971



49.2309, 38.4697, 74.8788



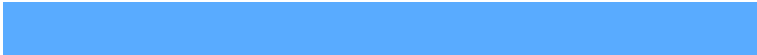
36.3964, 38.4697, 12.2102



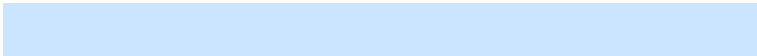
26.2811, 38.4697, 20.3670

Sweetspot

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



36.7340, 38.4709, 100.0973



71.0243, 76.2023, 105.5729



47.3275, 76.6230, 51.3273



14.5784, 15.6730, 22.5068



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.



36.7340, 38.4709, 100.0973



31.2998, 31.2902, 98.9977



25.7438, 16.4905, 96.4339



17.7440, 18.8597, 22.9550



13.4762, 11.8619, 51.0139



1.4212, 1.3731, 5.0034

Inverse Universe

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



52.1640, 31.3466, 41.8303



48.5209, 26.4428, 33.2711



78.8035, 93.5014, 23.3473



18.3835, 18.1367, 20.6364



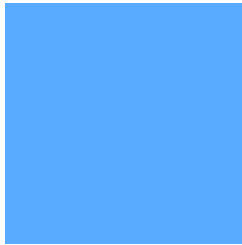
23.5903, 11.9254, 11.7591



2.3520, 1.1832, 1.4349

Previews

White Background



This preview shows how the XYZ color 36.7327, 38.4697, 100.0971 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 36.7327, 38.4697, 100.0971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

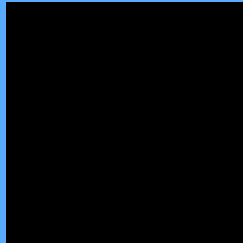
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

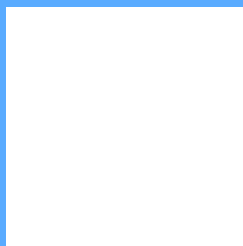
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7327, 38.4697, 100.0971

Background



This preview shows how black text looks on a background with the XYZ color 36.7327, 38.4697, 100.0971.



This preview shows how white text looks on a background with the XYZ color 36.7327, 38.4697,

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

36.7327, 38.4697, 100.0971

Protanopia

40.1938, 38.2059, 94.0630

Deuteranopia

39.2509, 38.1233, 99.8975



Tritanopia

28.4369, 38.3279, 58.7226

Trichromacy



Original Color

36.7327, 38.4697, 100.0971

Protanomaly

38.6566, 38.1594, 96.5949

Deuteranomaly

38.1754, 38.1086, 99.9514

Tritanomaly

30.9592, 38.1317, 72.0581

Monochromacy



Original Color

36.7327, 38.4697, 100.0971

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.7750, 34.2010, 54.7959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7327, 38.4697, 100.0971 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(89, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 171, 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(89, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.7327, 38.4697, 100.0971 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(89, 171, 255) }
```


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

```
.border{ border-color:rgb(89, 171, 255) }
```

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

Here you see how a box with a 4 pixel rgb(89, 171, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7327, 38.4697, 100.0971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 171, 255) }
```

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

```
.background{ background-color: rgb(89, 171,  
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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