

Converting Colors

XYZ(36.3926, 37.2490, 99.8790)

Have a look what the booklet for
XYZ(36.3926, 37.2490, 99.8790)
contains.

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Color

**XYZ(36.3829, 37.1846,
99.8675)**

Conversions

Conversions Part 1

Format	Color
Hex	5DA7FF
RGB	93, 167, 255
RGB Percent	36%, 65%, 100%
CMY	0.6353, 0.3451, 0.0000
CMYK	0.64, 0.35, 0.00, 0.00
HSL	213°, 100%, 68%
HSV	213°, 64%, 100%
XYZ	36.3829, 37.1846, 99.8675
YIQ	154.9060, -72.3520, 11.6800

Conversions

Conversions Part 2

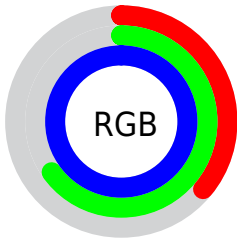
Format	Color
R _{YB}	93, 144, 255
Decimal	6137855
CIE Lab	67.42, 3.49, -50.50
CIE LCh	67, 50.621, 273.957
Yxy	37.1846, 0.2098, 0.2144
Android (android.graphics.Color)	4284327935 (0xFF5DA7FF)
YUV	154.9060, 49.3463, -54.2916
Hunter-Lab	60.9792, -0.2125, -54.4157

Details

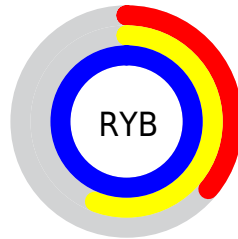
The XYZ color **36.3829, 37.1846, 99.8675** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **59.7414, 55.1010, 17.8448**, and the grayscale version is **30.9275, 32.5381, 35.4340**.

A 20% lighter version of the original color is **57.8816, 66.5305, 104.3987**, and **16.4384, 16.5680, 55.7576** is the 20% darker color. If you saturate the color by 10%, you get **31.8155, 31.2629, 98.9652**, and if you desaturate by 10%, it is **42.0848, 44.0958, 100.9010**.

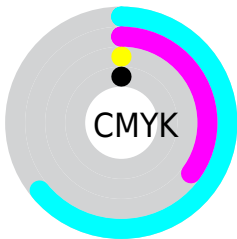
Distribution



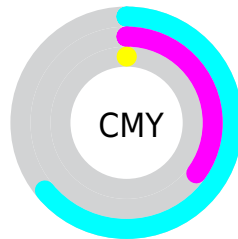
- Red (36%)
- Green (65%)
- Blue (100%)



- Red (36%)
- Yellow (56%)
- Blue (100%)



- Cyan (64%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3829, 37.1846, 99.8675 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 36.3829, 37.1846, 99.8675 by changing the saturation by 10% instead.

■ 36.3829, 37.1846,
99.8675

■ 36.3829, 37.1846,
99.8675

322.0332,
334.1090, 581.0108

■ 24.9015, 25.3505,
75.5736

■ 68.9427, 70.8566,
163.0254

■ 16.1321, 16.3383,
55.5784

■ 90.7518, 93.4633,
202.7264

■ 9.7091, 9.7639,
39.4633

■ 116.7342,
120.4295, 248.4003

■ 5.2673, 5.2427,
26.8097

■ 147.2553,
152.1398, 300.4656

■ 2.4413, 2.3904,
17.1992

182.6803,
188.9785, 359.3407

■ 0.8657, 0.8209,
10.2132

223.3748,

■ 0.0000, 0.0000,

231.3300, 425.4443

5.4331

269.7039,
279.5787, 499.1948

■ 0.0000, 0.0000,
2.4404

■ 0.0000, 0.0000,
0.8083

■ 36.3829, 37.1846,
99.8675

■ 36.3829, 37.1846,
99.8675

■ 31.8155, 31.2629,
98.9652

■ 42.0848, 44.0958,
100.9010

■ 28.2810, 26.2639,
98.1866

■ 49.0026, 52.0489,
102.0715

■ 25.6626, 22.1149,
97.5238

■ 57.2139, 61.0962,
103.3850

■ 24.3505, 19.8211,
97.1502

■ 66.7886, 71.2845,
104.8469

■ 77.7908, 82.6579,
106.4623

■ 90.2807, 95.2576,
108.2360

95.0500, 100.0000,
108.9000

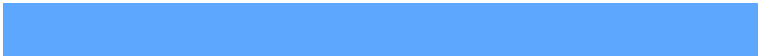
Harmonies

Analogous

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



29.1855, 37.1846, 92.3268



36.3829, 37.1846, 99.8675



44.3539, 37.1846, 87.3099

Triad

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



36.3829, 37.1846, 99.8675



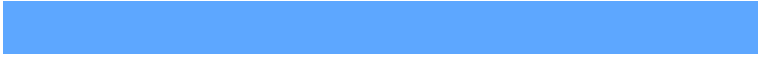
49.2273, 37.1846, 20.9949



23.5557, 37.1846, 24.4684

Complementary

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



36.3829, 37.1846, 99.8675



59.7414, 55.1010, 17.8448

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.



27.6432, 37.1846, 14.3717



36.3829, 37.1846, 99.8675



42.3105, 37.1846, 12.9430

Square

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



36.3829, 37.1846, 99.8675



52.4248, 37.1846, 37.6089



34.3228, 37.1846, 11.0605



22.4443, 37.1846, 43.5098

Rectangle

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



36.3829, 37.1846, 99.8675



48.8393, 37.1846, 71.2127



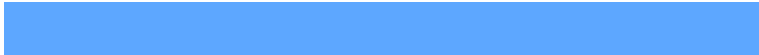
34.3228, 37.1846, 11.0605



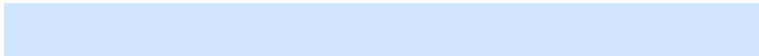
24.5945, 37.1846, 20.1824

Sweetspot

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



36.3842, 37.1858, 99.8677



71.5876, 76.2827, 105.5587



48.4527, 77.1187, 55.1941



14.6662, 15.6454, 22.4968



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.



36.3842, 37.1858, 99.8677



30.8489, 29.9427, 98.7614



27.0463, 17.6697, 96.5928



17.6865, 18.7447, 22.9359



12.8688, 10.6471, 50.8114



1.3606, 1.2519, 4.9832

Inverse Universe

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



52.1304, 31.8803, 39.9661



48.4021, 26.8120, 31.3614



77.0174, 92.5607, 24.1647



18.3544, 18.1251, 20.4836



23.2838, 11.8028, 10.1447



2.3214, 1.1709, 1.2738

Previews

White Background



This preview shows how the XYZ color 36.3829, 37.1846, 99.8675 looks on a white background.

Color Contrast Check

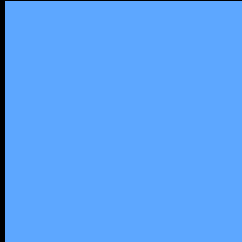
Large Text (above 18pt) WCAG AA × Fail

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 36.3829, 37.1846, 99.8675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

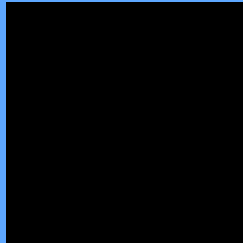
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

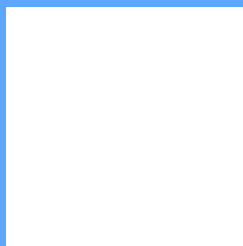
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3829, 37.1846, 99.8675

Background



This preview shows how black text looks on a background with the XYZ color 36.3829, 37.1846, 99.8675.

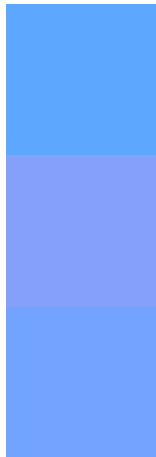


This preview shows how white text looks on a background with the XYZ color 36.3829, 37.1846,

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

36.3829, 37.1846, 99.8675

Protanopia

39.1854, 36.8867, 94.6771

Deuteranopia

38.0866, 36.9918, 99.7405



Tritanopia

27.7822, 37.1273, 56.7410

Trichromacy



Original Color

36.3829, 37.1846, 99.8675

Protanomaly

37.9810, 37.0110, 96.4088

Deuteranomaly

37.2693, 36.8351, 99.7533

Tritanomaly

30.4723, 37.0343, 70.5080

Monochromacy



Original Color

36.3829, 37.1846, 99.8675

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.3178, 33.4634, 54.0987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3829, 37.1846, 99.8675 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(93, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 167, 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(93, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 167, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.3829, 37.1846, 99.8675 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(93, 167, 255) }
```


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

```
.border{ border-color:rgb(93, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 167,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3829, 37.1846, 99.8675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 167, 255) }
```

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

```
.background{ background-color: rgb(93, 167,  
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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