

Converting Colors

XYZ(34.4064, 36.9960, 87.3757)

Have a look what the booklet for
XYZ(34.4064, 36.9960, 87.3757)
contains.

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Color

**XYZ(34.2822, 36.9351,
86.9837)**

Conversions

Conversions Part 1

Format	Color
Hex	5DA9EF
RGB	93, 169, 239
RGB Percent	36%, 66%, 94%
CMY	0.6353, 0.3372, 0.0627
CMYK	0.61, 0.29, 0.00, 0.06
HSL	209°, 82%, 65%
HSV	209°, 61%, 94%
XYZ	34.2822, 36.9351, 86.9837
YIQ	154.2560, -67.7660, 5.6580

Conversions

Conversions Part 2

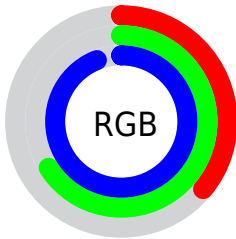
Format	Color
R _{YB}	93, 143, 239
Decimal	6138351
CIE Lab	67.23, -2.83, -42.08
CIE LCh	67, 42.174, 266.156
Yxy	36.9351, 0.2167, 0.2335
Android (android.graphics.Color)	4284328431 (0xFF5DA9EF)
YUV	154.2560, 41.7788, -53.7215
Hunter-Lab	60.7743, -5.6647, -42.3174

Details

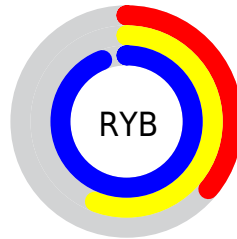
The XYZ color **34.2822, 36.9351, 86.9837** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **50.6715, 45.3382, 16.4383**, and the grayscale version is **30.6726, 32.2700, 35.1420**.

A 20% lighter version of the original color is **58.0321, 67.4013, 104.5589**, and **14.9211, 16.1479, 47.1302** is the 20% darker color. If you saturate the color by 10%, you get **30.1911, 31.7993, 86.2088**, and if you desaturate by 10%, it is **39.3185, 42.8368, 87.8581**.

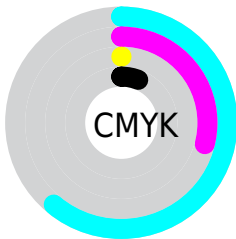
Distribution



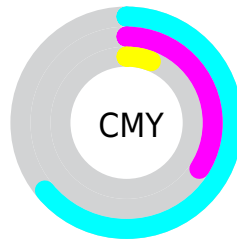
- Red (36%)
- Green (66%)
- Blue (94%)



- Red (36%)
- Yellow (56%)
- Blue (94%)



- Cyan (61%)
- Magenta (29%)
- Yellow (0%)
- Black (6%)



- Cyan (64%)
- Magenta (34%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2822, 36.9351, 86.9837 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 34.2822, 36.9351, 86.9837 by changing the saturation by 10% instead.

■ 34.2822, 36.9351,
86.9837

■ 34.2822, 36.9351,
86.9837

312.9524,
333.0295, 538.4841

■ 23.2744, 25.1572,
64.9222

■ 65.7137, 70.4730,
145.0401

■ 14.9181, 16.1942,
46.9470

■ 86.8680, 93.0018,
181.8720

■ 8.8478, 9.6617,
32.6397

■ 112.1353,
119.8830, 224.4645

■ 4.6984, 5.1752,
21.5817

■ 141.8808,
151.5010, 273.2361

■ 2.1043, 2.3504,
13.3545

176.4699,
188.2403, 328.6053

■ 0.6916, 0.8002,
7.5395

216.2679,

■ 0.0000, 0.0000,

230.4852, 390.9907

3.7182

261.6403,
278.6201, 460.8108

■ 0.0000, 0.0000,
1.4721

■ 0.0000, 0.0000,
0.1970

■ 34.2822, 36.9351,
86.9837

■ 34.2822, 36.9351,
86.9837

■ 30.1911, 31.7993,
86.2088

■ 39.3185, 42.8368,
87.8581

■ 26.9633, 27.3782,
85.5255

■ 45.3643, 49.5425,
88.8338

■ 24.5076, 23.6181,
84.9292

■ 52.4824, 57.0918,
89.9158

■ 22.8390, 20.7498,
84.4635

■ 60.7290, 65.5200,
91.1080

70.1561, 74.8602,
92.4140

80.8123, 85.1433,
93.8372

90.7631, 95.3779,
95.2882

92.5801, 99.0121,
95.8939

Harmonies

Analogous

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



28.6518, 36.9351, 77.4405



34.2822, 36.9351, 86.9837



40.8513, 36.9351, 81.1784

Triad

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



34.2822, 36.9351, 86.9837



47.4330, 36.9351, 26.5228



25.7938, 36.9351, 23.5240

Complementary

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



34.2822, 36.9351, 86.9837



50.6715, 45.3382, 16.4383

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.



29.9258, 36.9351, 16.0464



34.2822, 36.9351, 86.9837



42.4625, 36.9351, 17.3695

Square

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



34.2822, 36.9351, 86.9837



48.9647, 36.9351, 42.6403



35.9423, 36.9351, 14.1975



24.1447, 36.9351, 37.8854

Rectangle

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



34.2822, 36.9351, 86.9837



44.8139, 36.9351, 70.1181



35.9423, 36.9351, 14.1975



26.9118, 36.9351, 20.3150

Sweetspot

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



34.2835, 36.9364, 86.9846



73.5096, 79.0634, 105.9941



41.8270, 66.6393, 44.4403



15.0814, 16.2696, 22.5954



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.



34.2835, 36.9364, 86.9846



34.0839, 35.6603, 99.6945



24.4511, 17.2716, 83.7071



15.5780, 16.5901, 20.1028



12.7536, 11.7314, 46.7201



1.1606, 1.1752, 3.9199

Inverse Universe

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



46.6736, 29.0457, 40.6836



50.2187, 28.2417, 38.7593



67.0342, 78.0636, 21.8925



16.1164, 15.8963, 18.1694



21.7630, 10.9776, 11.9346



1.8608, 0.9333, 1.2576

Previews

White Background



This preview shows how the XYZ color 34.2822, 36.9351, 86.9837 looks on a white background.

Color Contrast Check

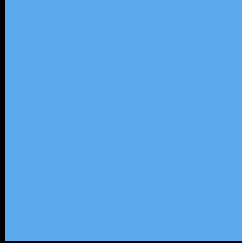
Large Text (above 18pt) WCAG AA × Fail

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 34.2822, 36.9351, 86.9837 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 34.2822, 36.9351, 86.9837

Background



This preview shows how black text looks on a background with the XYZ color 34.2822, 36.9351, 86.9837.

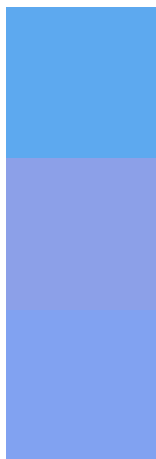


This preview shows how white text looks on a background with the XYZ color 34.2822, 36.9351,

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

34.2822, 36.9351, 86.9837

Protanopia

37.9515, 36.5433, 81.3972

Deuteranopia

37.8508, 36.8587, 88.3386



Tritanopia

28.0334, 36.9862, 55.5307

Trichromacy



Original Color

34.2822, 36.9351, 86.9837

Protanomaly

36.2610, 36.4035, 83.7127

Deuteranomaly

36.3858, 36.9145, 87.6456

Tritanomaly

30.0630, 36.9257, 65.8645

Monochromacy



Original Color

34.2822, 36.9351, 86.9837

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.6708, 33.2046, 50.6915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2822, 36.9351, 86.9837 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, 169, 239)` looks like.

```
.text, #text, p{  
    color:rgb(93, 169, 239)  
}
```

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, 169, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 169, 239) }
```

Border

The CSS property to change the border of an element to XYZ 34.2822, 36.9351, 86.9837 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, 169, 239) }
```


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

```
.border{ border-color:rgb(93, 169, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 169, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 169, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 169, 239);  
box-shadow:4px 4px 4px 4px rgb(93, 169,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2822, 36.9351, 86.9837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 169, 239) }
```

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

```
.background{ background-color: rgb(93, 169,  
239) }
```

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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