

Converting Colors

XYZ(34.3935, 36.6149, 87.2569)

Have a look what the booklet for
XYZ(34.3935, 36.6149, 87.2569)
contains.

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Color

**XYZ(34.4065, 36.7241,
86.9364)**

Conversions

Conversions Part 1

Format	Color
Hex	60A8EF
RGB	96, 168, 239
RGB Percent	38%, 66%, 94%
CMY	0.6235, 0.3412, 0.0627
CMYK	0.60, 0.30, 0.00, 0.06
HSL	210°, 82%, 66%
HSV	210°, 60%, 94%
XYZ	34.4065, 36.7241, 86.9364
YIQ	154.5660, -65.7030, 6.8170

Conversions

Conversions Part 2

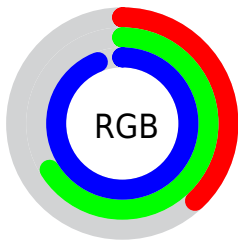
Format	Color
R _Y B	96, 144, 239
Decimal	6334703
CIE Lab	67.07, -1.71, -42.32
CIE LCh	67, 42.354, 267.682
Yxy	36.7241, 0.2177, 0.2323
Android (android.graphics.Color)	4284524783 (0xFF60A8EF)
YUV	154.5660, 41.6260, -51.3624
Hunter-Lab	60.6004, -4.7055, -42.6362

Details

The XYZ color **34.4065, 36.7241, 86.9364** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.5284, 46.8351, 17.3923**, and the grayscale version is **30.8086, 32.4130, 35.2978**.

A 20% lighter version of the original color is **58.1480, 67.0633, 104.4875**, and **14.9896, 16.0112, 47.1002** is the 20% darker color. If you saturate the color by 10%, you get **30.1718, 31.4364, 86.1397**, and if you desaturate by 10%, it is **39.6079, 42.8082, 87.8373**.

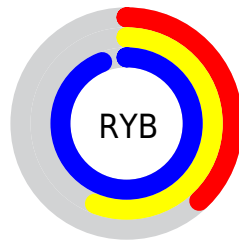
Distribution



Red (38%)

Green (66%)

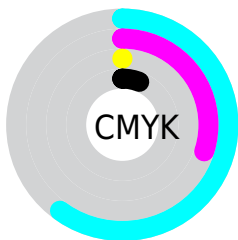
Blue (94%)



Red (38%)

Yellow (56%)

Blue (94%)

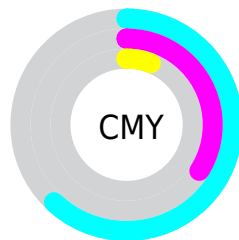


Cyan (60%)

Magenta (30%)

Yellow (0%)

Black (6%)



Cyan (62%)

Magenta (34%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4065, 36.7241, 86.9364 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 34.4065, 36.7241, 86.9364 by changing the saturation by 10% instead.

■ 34.4065, 36.7241,
86.9364

■ 34.4065, 36.7241,
86.9364

313.4949,
332.1145, 538.3246

■ 23.3704, 24.9939,
64.8833

■ 65.9054, 70.1482,
144.9736

■ 14.9895, 16.0725,
46.9157

■ 87.0990, 92.6110,
181.7947

■ 8.8983, 9.5755,
32.6151

■ 112.4090,
119.4201, 224.3755

■ 4.7315, 5.1184,
21.5631

■ 142.2010,
150.9600, 273.1346

■ 2.1237, 2.3169,
13.3410

176.8402,
187.6149, 328.4906

■ 0.7021, 0.7826,
7.5303

216.6921,

■ 0.0000, 0.0000,

229.7694, 390.8618

3.7125

262.1219,
277.8078, 460.6670

■ 0.0000, 0.0000,
1.4690

■ 0.0000, 0.0000,
0.1946

■ 34.4065, 36.7241,
86.9364

■ 34.4065, 36.7241,
86.9364

■ 30.1718, 31.4364,
86.1397

■ 39.6079, 42.8082,
87.8373

■ 26.8229, 26.8935,
85.4393

■ 45.8398, 49.7274,
88.8444

■ 24.2701, 23.0418,
84.8304

■ 53.1649, 57.5219,
89.9628

■ 22.3663, 19.7967,
84.3044

■ 61.6393, 66.2277,
91.1966

■ 22.3367, 19.7453,
84.2960

■ 71.3149, 75.8784,
92.5494

■ 82.2406, 86.5058,
94.0248

■ 91.3391, 96.5300,
95.4802

■ 92.5801, 99.0121,
95.8938

Harmonies

Analogous

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



28.6930, 36.7241, 78.0815



34.4065, 36.7241, 86.9364



40.9815, 36.7241, 80.3448

Triad

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



34.4065, 36.7241, 86.9364



47.0631, 36.7241, 25.6667



25.4489, 36.7241, 23.8613

Complementary

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



34.4065, 36.7241, 86.9364



51.5284, 46.8351, 17.3923

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.



29.4613, 36.7241, 16.0807



34.4065, 36.7241, 86.9364



41.9549, 36.7241, 16.8753

Square

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



34.4065, 36.7241, 86.9364



48.8020, 36.7241, 41.4385



35.4086, 36.7241, 13.9828



23.9339, 36.7241, 38.5684

Rectangle

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



34.4065, 36.7241, 86.9364



44.8884, 36.7241, 68.9398



35.4086, 36.7241, 13.9828



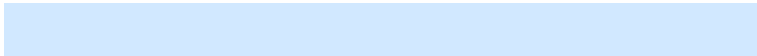
26.5240, 36.7241, 20.5427

Sweetspot

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



34.4078, 36.7254, 86.9373



73.2885, 78.6214, 105.9205



42.4940, 66.9418, 46.3364



15.0276, 16.1619, 22.5775



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.



34.4078, 36.7254, 86.9373



33.9248, 35.0684, 99.5886



24.8091, 17.5279, 83.7377



15.5550, 16.5440, 20.0951



12.4752, 11.1746, 46.6273



1.1374, 1.1287, 3.9121

Inverse Universe

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



46.8486, 29.5452, 40.2805



50.2051, 28.4921, 37.8995



67.8822, 79.5428, 22.8436



16.1048, 15.8916, 18.1081



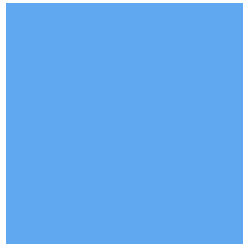
21.6225, 10.9214, 11.1947



1.8490, 0.9287, 1.1959

Previews

White Background



This preview shows how the XYZ color 34.4065, 36.7241, 86.9364 looks on a white background.

Color Contrast Check

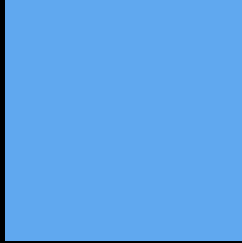
Large Text (above 18pt) WCAG AA × Fail

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 34.4065, 36.7241, 86.9364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

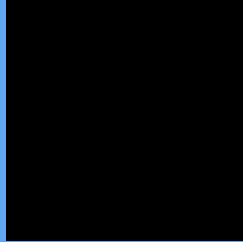
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.4065, 36.7241, 86.9364

Background



This preview shows how black text looks on a background with the XYZ color 34.4065, 36.7241, 86.9364.



This preview shows how white text looks on a background with the XYZ color 34.4065, 36.7241,

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

34.4065, 36.7241, 86.9364

Protanopia

37.7838, 36.4568, 81.3894

Deuteranopia

37.5241, 36.4298, 88.2730



Tritanopia

28.0278, 36.7017, 54.8971

Trichromacy



Original Color

34.4065, 36.7241, 86.9364

Protanomaly

36.2610, 36.4035, 83.7127

Deuteranomaly

36.2061, 36.5552, 87.5857

Tritanomaly

30.0885, 36.6652, 65.1658

Monochromacy



Original Color

34.4065, 36.7241, 86.9364

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2652, 33.7551, 51.3219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4065, 36.7241, 86.9364 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(96, 168, 239) looks like.

```
.text, #text, p{  
    color:rgb(96, 168, 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(96, 168, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 168, 239) }
```

Border

The CSS property to change the border of an element to XYZ 34.4065, 36.7241, 86.9364 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(96, 168, 239) }
```


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

```
.border{ border-color:rgb(96, 168, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 168, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 168, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 168, 239);  
box-shadow:4px 4px 4px 4px rgb(96, 168,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4065, 36.7241, 86.9364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 168, 239) }
```

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

```
.background{ background-color: rgb(96, 168,  
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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