

Converting Colors

XYZ(36.5250, 34.1097, 85.0602)

Have a look what the booklet for
XYZ(36.5250, 34.1097, 85.0602)
contains.

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Color

**XYZ(36.5145, 34.2122,
84.7999)**

Conversions

Conversions Part 1

Format	Color
Hex	859AED
RGB	133, 154, 237
RGB Percent	52%, 60%, 93%
CMY	0.4784, 0.3961, 0.0706
CMYK	0.44, 0.35, 0.00, 0.07
HSL	228°, 74%, 73%
HSV	228°, 44%, 93%
XYZ	36.5145, 34.2122, 84.7999
YIQ	157.1830, -39.1590, 21.3610

Conversions

Conversions Part 2

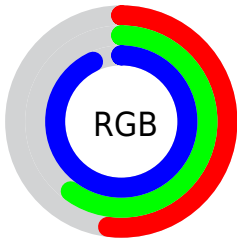
Format	Color
R _Y B	133, 150, 237
Decimal	8755949
CIE Lab	65.13, 13.78, -44.13
CIE LCh	65, 46.230, 287.339
Yxy	34.2122, 0.2348, 0.2200
Android (android.graphics.Color)	4286946029 (0xFF859AED)
YUV	157.1830, 39.3498, -21.2085
Hunter-Lab	58.4912, 9.0732, -45.0142

Details

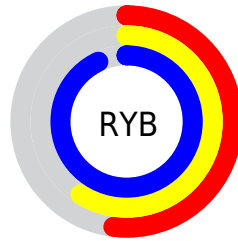
The XYZ color **36.5145, 34.2122, 84.7999** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.7158, 68.8113, 32.1155**, and the grayscale version is **31.9723, 33.6374, 36.6311**.

A 20% lighter version of the original color is **61.8411, 63.2789, 103.5624**, and **16.2513, 14.6145, 45.6804** is the 20% darker color. If you saturate the color by 10%, you get **30.3066, 26.7375, 83.6850**, and if you desaturate by 10%, it is **44.0609, 43.1083, 86.1199**.

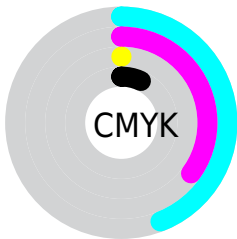
Distribution



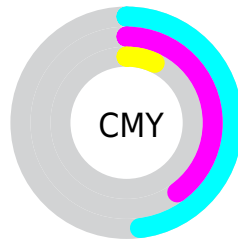
- Red (52%)
- Green (60%)
- Blue (93%)



- Red (52%)
- Yellow (59%)
- Blue (93%)



- Cyan (44%)
- Magenta (35%)
- Yellow (0%)
- Black (7%)



- Cyan (48%)
- Magenta (40%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5145, 34.2122, 84.7999 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 36.5145, 34.2122, 84.7999 by changing the saturation by 10% instead.

■ 36.5145, 34.2122,
84.7999

■ 36.5145, 34.2122,
84.7999

322.5959,
321.0772, 531.0930

■ 25.0038, 23.0567,
63.1269

■ 69.1441, 66.2635,
141.9653

■ 16.2086, 14.6354,
45.5022

■ 90.9938, 87.9281,
178.2946

■ 9.7637, 8.5639,
31.5073

■ 117.0204,
113.8645, 220.3466

■ 5.3036, 4.4578,
20.7238

147.5893,
144.4570, 268.5396

■ 2.4631, 1.9328,
12.7330

183.0660,
180.0902, 323.2922

■ 0.8767, 0.5680,
7.1164

223.8158,

■ 0.0000, 0.0000,

221.1484, 385.0229

3.4554

270.2040,
268.0159, 454.1503

■ 0.0000, 0.0000,
1.3316

■ 0.0000, 0.0000,
0.0875

■ 36.5145, 34.2122,
84.7999

■ 36.5145, 34.2122,
84.7999

■ 30.3066, 26.7375,
83.6850

■ 44.0609, 43.1083,
86.1199

■ 25.3530, 20.6049,
82.7624

■ 53.0157, 53.4919,
87.6522

■ 21.5654, 15.7328,
82.0216

■ 63.4481, 65.4294,
89.4065

■ 18.8419, 12.0282,
81.4501

■ 75.4218, 78.9819,
91.3913

■ 17.0613, 9.3841,
81.0336

■ 88.9967, 94.2072,
93.6146

■ 16.3372, 8.2165,
80.8463

■ 92.2862, 98.8945,
94.3460

Harmonies

Analogous

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



29.7721, 34.2122, 86.1572



36.5145, 34.2122, 84.7999



42.9533, 34.2122, 68.3047

Triad

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



36.5145, 34.2122, 84.7999



42.0635, 34.2122, 16.1569



21.4880, 34.2122, 29.7280

Complementary

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



36.5145, 34.2122, 84.7999



63.7158, 68.8113, 32.1155

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.



23.9260, 34.2122, 17.4093



36.5145, 34.2122, 84.7999



35.4271, 34.2122, 11.5862

Square

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



36.5145, 34.2122, 84.7999



46.4470, 34.2122, 27.2926



28.8237, 34.2122, 11.9480



21.6953, 34.2122, 49.3783

Rectangle

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



36.5145, 34.2122, 84.7999



45.9294, 34.2122, 53.3704



28.8237, 34.2122, 11.9480



22.0096, 34.2122, 24.7561

Sweetspot

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



36.5158, 34.2134, 84.8007



76.0214, 78.5122, 105.7554



52.1555, 70.4348, 74.7787



15.6473, 16.0941, 22.5317



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.



36.5158, 34.2134, 84.8007



36.2302, 32.1130, 98.8966



38.6702, 30.6214, 83.9938



14.4775, 15.0415, 19.0625



8.9935, 4.6340, 44.1634



0.7729, 0.4972, 3.4901

Inverse Universe

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



49.1464, 37.1141, 35.1464



53.2158, 36.7678, 31.9530



60.4003, 75.6051, 33.6016



15.1898, 15.1038, 16.2849



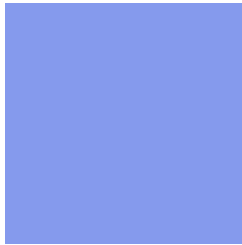
19.3948, 9.9606, 2.6144



1.5566, 0.7956, 0.3825

Previews

White Background



This preview shows how the XYZ color 36.5145, 34.2122, 84.7999 looks on a white background.

Color Contrast Check

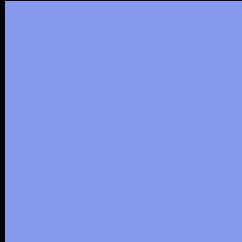
Large Text (above 18pt) WCAG AA × Fail

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 36.5145, 34.2122, 84.7999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

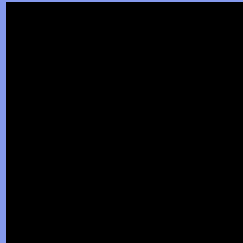
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5145, 34.2122, 84.7999

Background



This preview shows how black text looks on a background with the XYZ color 36.5145, 34.2122, 84.7999.



This preview shows how white text looks on a background with the XYZ color 36.5145, 34.2122,

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

36.5145, 34.2122, 84.7999

Protanopia

36.2072, 34.2829, 85.5978

Deuteranopia

35.2233, 34.3076, 84.1224



Tritanopia

29.1090, 34.3090, 47.7359

Trichromacy



Original Color

36.5145, 34.2122, 84.7999

Protanomaly

36.3599, 34.3616, 85.6050

Deuteranomaly

35.6330, 34.2687, 84.0933

Tritanomaly

31.5140, 34.2217, 59.5881

Monochromacy



Original Color

36.5145, 34.2122, 84.7999

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.9641, 33.6180, 51.2059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5145, 34.2122, 84.7999 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(133, 154, 237)` looks like.

```
.text, #text, p{  
    color:rgb(133, 154, 237)  
}
```

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(133, 154, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 154, 237) }
```

Border

The CSS property to change the border of an element to XYZ 36.5145, 34.2122, 84.7999 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(133, 154, 237) }
```


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

```
.border{ border-color:rgb(133, 154, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 154, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 154, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 154, 237);  
box-shadow:4px 4px 4px 4px rgb(133, 154,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5145, 34.2122, 84.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 154, 237) }
```

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

```
.background{ background-color: rgb(133,  
154, 237) }
```

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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