

Converting Colors

XYZ(36.8839, 35.1804, 83.4438)

Have a look what the booklet for
XYZ(36.8839, 35.1804, 83.4438)
contains.

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Color

**XYZ(36.8839, 35.1804,
83.4438)**

Conversions

Conversions Part 1

Format	Color
Hex	869DEB
RGB	134, 157, 235
RGB Percent	53%, 62%, 92%
CMY	0.4745, 0.3843, 0.0784
CMYK	0.43, 0.33, 0.00, 0.08
HSL	226°, 72%, 72%
HSV	226°, 43%, 92%
XYZ	36.8839, 35.1804, 83.4438
YIQ	159.0150, -38.7460, 19.3820

Conversions

Conversions Part 2

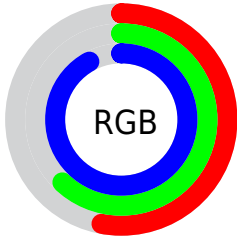
Format	Color
RYB	134, 153, 235
Decimal	8822251
CIELab	65.89, 11.73, -41.84
CIELCh	66, 43.450, 285.664
Yxy	35.1804, 0.2372, 0.2262
Android (android.graphics.Color)	4287012331 (0xFF869DEB)
YUV	159.0150, 37.4606, -21.9382
Hunter-Lab	59.3131, 7.2026, -41.8922

Details

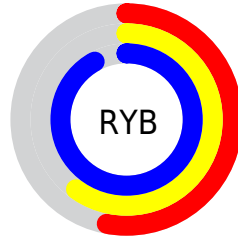
The XYZ color **36.8839, 35.1804, 83.4438** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.1089, 66.4723, 32.1129**, and the grayscale version is **32.8095, 34.5181, 37.5902**.

A 20% lighter version of the original color is **62.8301, 64.8849, 103.8203**, and **16.4326, 15.1824, 44.7122** is the 20% darker color. If you saturate the color by 10%, you get **30.7003, 27.7685, 82.3397**, and if you desaturate by 10%, it is **44.3583, 43.9361, 84.7405**.

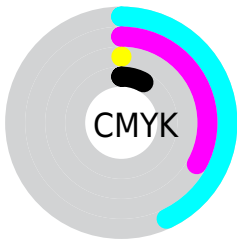
Distribution



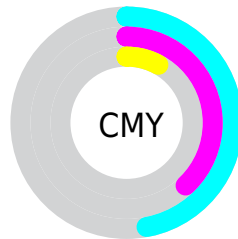
- Red (53%)
- Green (62%)
- Blue (92%)



- Red (53%)
- Yellow (60%)
- Blue (92%)



- Cyan (43%)
- Magenta (33%)
- Yellow (0%)
- Black (8%)



- Cyan (47%)
- Magenta (38%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8839, 35.1804, 83.4438 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 36.8839, 35.1804, 83.4438 by changing the saturation by 10% instead.

■ 36.8839, 35.1804,
83.4438

■ 36.8839, 35.1804,
83.4438

324.1719,
325.3639, 526.4741

■ 25.2909, 23.8019,
62.0136

■ 69.7092, 67.7651,
140.0517

■ 16.4238, 15.1867,
44.6078

■ 91.6721, 89.7401,
176.0664

■ 9.9173, 8.9505,
30.8079

■ 117.8225,
116.0161, 217.7797

■ 5.4060, 4.7089,
20.1954

148.5255,
146.9774, 265.6102

■ 2.5246, 2.0775,
12.3517

184.1466,
183.0084, 319.9763

■ 0.9077, 0.6519,
6.8582

225.0511,

■ 0.0000, 0.0000,

224.4936, 381.2966

3.2965

271.6044,
271.8173, 449.9897

■ 0.0000, 0.0000,
1.2479

■ 0.0000, 0.0000,
0.0186

■ 36.8839, 35.1804,
83.4438

■ 36.8839, 35.1804,
83.4438

■ 30.7003, 27.7685,
82.3397

■ 44.3583, 43.9361,
84.7405

■ 25.7280, 21.6277,
81.4165

■ 53.1891, 54.0954,
86.2360

■ 21.8840, 16.6840,
80.6649

■ 63.4420, 65.7191,
87.9393

■ 19.0728, 12.8534,
80.0737

■ 75.1771, 78.8632,
89.8578

■ 17.1812, 10.0395,
79.6302

■ 88.4511, 93.5807,
91.9990

■ 16.2921, 8.5913,
79.3976

■ 91.9955, 98.7782,
92.8154

Harmonies

Analogous

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



30.4725, 35.1804, 83.8006



36.8839, 35.1804, 83.4438



43.0706, 35.1804, 68.7177

Triad

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



36.8839, 35.1804, 83.4438



42.8316, 35.1804, 18.1699



22.8442, 35.1804, 30.1990

Complementary

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



36.8839, 35.1804, 83.4438



62.1089, 66.4723, 32.1129

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.



25.3605, 35.1804, 18.5245



36.8839, 35.1804, 83.4438



36.5897, 35.1804, 13.2426

Square

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



36.8839, 35.1804, 83.4438



46.7927, 35.1804, 29.5287



30.2135, 35.1804, 13.3473



22.9017, 35.1804, 48.6690

Rectangle

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



36.8839, 35.1804, 83.4438



45.9982, 35.1804, 54.8055



30.2135, 35.1804, 13.3473



23.4015, 35.1804, 25.5019

Sweetspot

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



36.8852, 35.1817, 83.4446



76.2580, 78.9854, 105.8342



51.3534, 69.2109, 72.5669



15.7050, 16.2096, 22.5510



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.



36.8852, 35.1817, 83.4446



37.4577, 34.0367, 99.2032



38.2065, 30.6202, 82.4946



14.5095, 15.1054, 19.0731



9.1464, 4.9398, 44.2144



0.7892, 0.5298, 3.4955

Inverse Universe

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



48.8730, 37.1482, 36.4938



53.9650, 37.5640, 34.3679



60.0437, 74.5584, 33.7825



15.2059, 15.1102, 16.3698



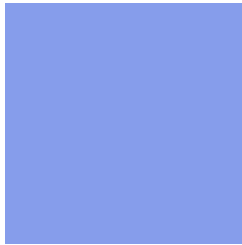
19.4720, 9.9915, 3.0209



1.5648, 0.7989, 0.4258

Previews

White Background



This preview shows how the XYZ color 36.8839, 35.1804, 83.4438 looks on a white background.

Color Contrast Check

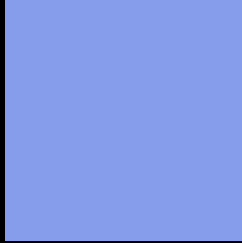
Large Text (above 18pt) WCAG AA × Fail

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 36.8839, 35.1804, 83.4438 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 36.8839, 35.1804, 83.4438

Background



This preview shows how black text looks on a background with the XYZ color 36.8839, 35.1804, 83.4438.



This preview shows how white text looks on a background with the XYZ color 36.8839, 35.1804,

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

36.8839, 35.1804, 83.4438

Protanopia

36.8839, 35.1804, 83.4438

Deuteranopia

36.2956, 35.3836, 83.5140



Tritanopia

30.0889, 35.3345, 48.9505

Trichromacy



Original Color

36.8839, 35.1804, 83.4438

Protanomaly

36.8839, 35.1804, 83.4438

Deuteranomaly

36.4282, 35.1977, 83.4711

Tritanomaly

32.2755, 35.1279, 60.3376

Monochromacy



Original Color

36.8839, 35.1804, 83.4438

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.7742, 34.5256, 51.8977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8839, 35.1804, 83.4438 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(134, 157, 235)` looks like.

```
.text, #text, p{  
    color:rgb(134, 157, 235)  
}
```

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(134, 157, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 157, 235) }
```

Border

The CSS property to change the border of an element to XYZ 36.8839, 35.1804, 83.4438 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(134, 157, 235) }
```


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

```
.border{ border-color:rgb(134, 157, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 157, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 157, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 157, 235);  
box-shadow:4px 4px 4px 4px rgb(134, 157,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8839, 35.1804, 83.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 157, 235) }
```

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

```
.background{ background-color: rgb(134,  
157, 235) }
```

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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