

Converting Colors

XYZ(36.3754, 38.9546, 83.4446)

Have a look what the booklet for
XYZ(36.3754, 38.9546, 83.4446)
contains.

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Color

**XYZ(36.4139, 38.9563,
83.4420)**

Conversions

Conversions Part 1

Format	Color
Hex	71ACEA
RGB	113, 172, 234
RGB Percent	44%, 67%, 92%
CMY	0.5568, 0.3255, 0.0823
CMYK	0.52, 0.26, 0.00, 0.08
HSL	211°, 74%, 68%
HSV	211°, 52%, 92%
XYZ	36.4139, 38.9563, 83.4420
YIQ	161.4270, -55.0660, 6.7740

Conversions

Conversions Part 2

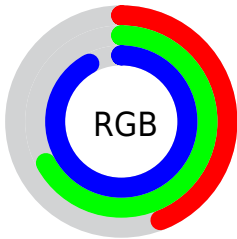
Format	Color
R _Y B	113, 153, 234
Decimal	7449834
CIE Lab	68.72, -2.03, -36.95
CIE LCh	69, 37.010, 266.862
Yxy	38.9563, 0.2293, 0.2453
Android (android.graphics.Color)	4285639914 (0xFF71ACEA)
YUV	161.4270, 35.7785, -42.4705
Hunter-Lab	62.4150, -5.0865, -35.5738

Details

The XYZ color **36.4139, 38.9563, 83.4420** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.2438, 49.3466, 22.3958**, and the grayscale version is **33.9332, 35.7004, 38.8777**.

A 20% lighter version of the original color is **62.3137, 70.8161, 104.9923**, and **16.1685, 17.3774, 44.6215** is the 20% darker color. If you saturate the color by 10%, you get **31.6026, 33.2404, 82.5930**, and if you desaturate by 10%, it is **42.2099, 45.4869, 84.3978**.

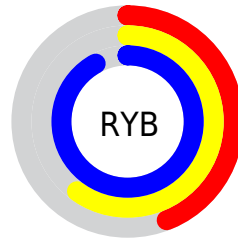
Distribution



Red (44%)

Green (67%)

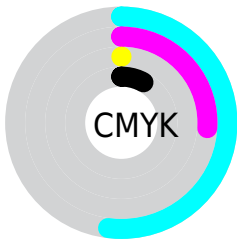
Blue (92%)



Red (44%)

Yellow (60%)

Blue (92%)

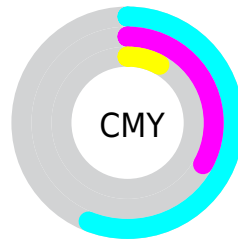


Cyan (52%)

Magenta (26%)

Yellow (0%)

Black (8%)



Cyan (56%)

Magenta (33%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4139, 38.9563, 83.4420 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 36.4139, 38.9563, 83.4420 by changing the saturation by 10% instead.

■ 36.4139, 38.9563,
83.4420

■ 36.4139, 38.9563,
83.4420

322.1658,
341.7047, 526.4679

■ 24.9256, 26.7257,
62.0121

■ 68.9901, 73.5716,
140.0491

■ 16.1501, 17.3673,
44.6066

■ 90.8088, 96.7250,
176.0634

■ 9.7219, 10.4967,
30.8070

■ 116.8016,
124.2883, 217.7763

■ 5.2758, 5.7295,
20.1947

147.3340,
156.6457, 265.6063

■ 2.4464, 2.6813,
12.3512

182.7712,
194.1816, 319.9719

■ 0.8683, 0.9677,
6.8579

223.4787,

■ 0.0000, 0.0000,

237.2805, 381.2917

3.2963

269.8218,
286.3267, 449.9842

■ 0.0000, 0.0000,
1.2478

■ 0.0000, 0.0000,
0.0185

■ 36.4139, 38.9563,
83.4420

■ 36.4139, 38.9563,
83.4420

■ 31.6026, 33.2404,
82.5930

■ 42.2099, 45.4869,
84.3978

■ 27.7054, 28.2927,
81.8434

■ 49.0460, 52.8665,
85.4619

■ 24.6482, 24.0672,
81.1890

■ 56.9784, 61.1320,
86.6392

■ 22.3408, 20.5088,
80.6238

■ 66.0574, 70.3168,
87.9335

■ 20.8798, 17.9973,
80.2160

■ 76.3303, 80.4521,
89.3484

■ 87.8416, 91.5676,
90.8872

■ 91.8514, 98.7206,
92.0565

Harmonies

Analogous

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



31.2072, 38.9563, 75.5478



36.4139, 38.9563, 83.4420



42.3501, 38.9563, 78.1710

Triad

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



36.4139, 38.9563, 83.4420



48.0054, 38.9563, 29.4528



28.3773, 38.9563, 27.1200

Complementary

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



36.4139, 38.9563, 83.4420



52.2438, 49.3466, 22.3958

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.



32.1694, 38.9563, 19.6654



36.4139, 38.9563, 83.4420



43.5283, 38.9563, 20.7418

Square

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



36.4139, 38.9563, 83.4420



49.4438, 38.9563, 44.2064



37.6465, 38.9563, 17.6811



26.8849, 38.9563, 40.6761

Rectangle

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



36.4139, 38.9563, 83.4420



45.8643, 38.9563, 68.5025



37.6465, 38.9563, 17.6811



29.4044, 38.9563, 23.9698

Sweetspot

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



36.4153, 38.9577, 83.4429



75.2895, 80.4454, 106.1671



43.8256, 65.3940, 50.1035



15.6292, 16.7266, 22.6547



0.0000, 0.0000, 0.0000



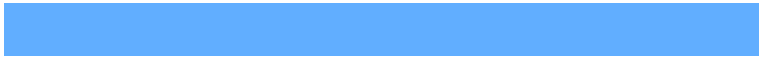
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.4153, 38.9577, 83.4429



38.1030, 40.0237, 100.3248



27.5680, 21.2633, 80.4939



14.8375, 15.7615, 19.1825



11.8583, 10.3636, 45.1183



1.0272, 1.0058, 3.5749

Inverse Universe

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



47.2844, 32.2828, 42.7701



53.1444, 32.8465, 43.5777



66.3361, 77.5312, 27.0933



15.3715, 15.1765, 17.2418



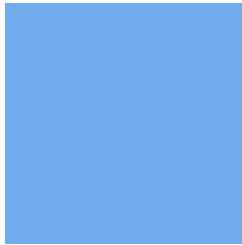
20.8408, 10.5390, 10.2291



1.6850, 0.8470, 1.0585

Previews

White Background



This preview shows how the XYZ color 36.4139, 38.9563, 83.4420 looks on a white background.

Color Contrast Check

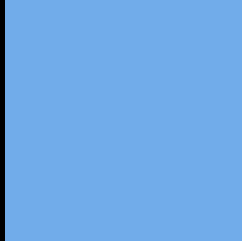
Large Text (above 18pt) WCAG AA × Fail

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 36.4139, 38.9563, 83.4420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

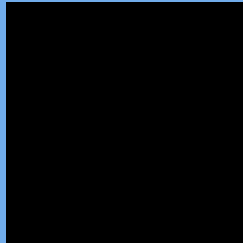
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4139, 38.9563, 83.4420

Background



This preview shows how black text looks on a background with the XYZ color 36.4139, 38.9563, 83.4420.

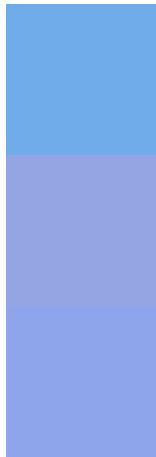


This preview shows how white text looks on a background with the XYZ color 36.4139, 38.9563,

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

36.4139, 38.9563, 83.4420

Protanopia

39.6715, 38.8076, 78.7985

Deuteranopia

39.7508, 38.7172, 84.7350



Tritanopia

31.0033, 38.7879, 56.8917

Trichromacy



Original Color

36.4139, 38.9563, 83.4420

Protanomaly

38.2772, 38.8693, 80.3480

Deuteranomaly

38.3581, 38.8287, 84.0703

Tritanomaly

32.7429, 38.5972, 66.0459

Monochromacy



Original Color

36.4139, 38.9563, 83.4420

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.0338, 36.4704, 52.8227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4139, 38.9563, 83.4420 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(113, 172, 234)` looks like.

```
.text, #text, p{  
    color:rgb(113, 172, 234)  
}
```

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(113, 172, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 172, 234) }
```

Border

The CSS property to change the border of an element to XYZ 36.4139, 38.9563, 83.4420 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(113, 172, 234) }
```


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

```
.border{ border-color:rgb(113, 172, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 172, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 172, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 172, 234);  
box-shadow:4px 4px 4px 4px rgb(113, 172,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4139, 38.9563, 83.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 172, 234) }
```

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

```
.background{ background-color: rgb(113,  
172, 234) }
```

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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