

Converting Colors

XYZ(34.7568, 39.0578, 85.0648)

Have a look what the booklet for
XYZ(34.7568, 39.0578, 85.0648)
contains.

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Color

**XYZ(34.6867, 38.8897,
85.0352)**

Conversions

Conversions Part 1

Format	Color
Hex	5AAFEC
RGB	90, 175, 236
RGB Percent	35%, 69%, 93%
CMY	0.6470, 0.3137, 0.0745
CMYK	0.62, 0.26, 0.00, 0.07
HSL	205°, 79%, 64%
HSV	205°, 62%, 93%
XYZ	34.6867, 38.8897, 85.0352
YIQ	156.5390, -70.2410, 0.9510

Conversions

Conversions Part 2

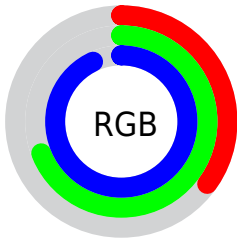
Format	Color
R _Y B	90, 144, 236
Decimal	5943276
CIE Lab	68.67, -7.65, -38.20
CIE LCh	69, 38.954, 258.670
Yxy	38.8897, 0.2187, 0.2452
Android (android.graphics.Color)	4284133356 (0xFF5AAFE _C)
YUV	156.5390, 39.1743, -58.3547
Hunter-Lab	62.3616, -9.8478, -37.1937

Details

The XYZ color **34.6867, 38.8897, 85.0352** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **47.5058, 40.7066, 15.0278**, and the grayscale version is **31.6949, 33.3455, 36.3133**.

A 20% lighter version of the original color is **59.1093, 70.3929, 105.0795**, and **15.3212, 17.4612, 45.7429** is the 20% darker color. If you saturate the color by 10%, you get **30.8955, 34.1901, 84.3287**, and if you desaturate by 10%, it is **39.3492, 44.2479, 85.8245**.

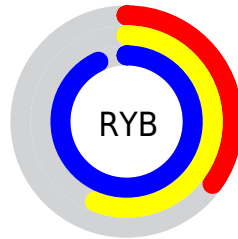
Distribution



Red (35%)

Green (69%)

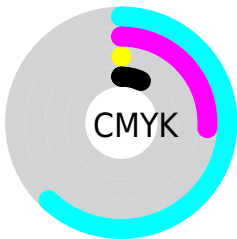
Blue (93%)



Red (35%)

Yellow (56%)

Blue (93%)

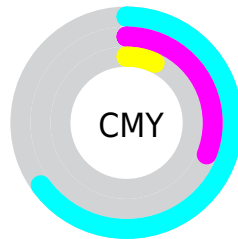


Cyan (62%)

Magenta (26%)

Yellow (0%)

Black (7%)



Cyan (65%)

Magenta (31%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6867, 38.8897, 85.0352 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 34.6867, 38.8897, 85.0352 by changing the saturation by 10% instead.

■ 34.6867, 38.8897,
85.0352

■ 34.6867, 38.8897,
85.0352

314.7156,
341.4213, 531.8922

■ 23.5870, 26.6739,
63.3201

■ 66.3374, 73.4698,
142.2970

■ 15.1506, 17.3285,
45.6576

■ 87.6190, 96.6029,
178.6807

■ 9.0122, 10.4690,
31.6290

■ 113.0254,
124.1439, 220.7912

■ 4.8063, 5.7110,
20.8158

■ 142.9219,
156.4772, 269.0468

■ 2.1676, 2.6702,
12.7995

177.6738,
193.9872, 323.8662

■ 0.7256, 0.9621,
7.1615

217.6465,

■ 0.0000, 0.0000,

237.0583, 385.6679

3.4833

263.2053,
286.0749, 454.8703

■ 0.0000, 0.0000,
1.3464

■ 0.0000, 0.0000,
0.0994

■ 34.6867, 38.8897,
85.0352

■ 34.6867, 38.8897,
85.0352

■ 30.8955, 34.1901,
84.3287

■ 39.3492, 44.2479,
85.8245

■ 27.8969, 30.1020,
83.6976

■ 44.9443, 50.2985,
86.6975

■ 25.6029, 26.5763,
83.1380

■ 51.5316, 57.0772,
87.6587

■ 24.1425, 24.0602,
82.7293

■ 59.1647, 64.6154,
88.7114

■ 67.8928, 72.9427,
89.8587

■ 77.7621, 82.0864,
91.1035

■ 88.7390, 92.0333,
92.4448

■ 91.7863, 98.1279,
93.4606

■ 92.1405, 98.8362,
93.5787

Harmonies

Analogous

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



29.6852, 38.8897, 73.2394



34.6867, 38.8897, 85.0352



40.8834, 38.8897, 83.2598

Triad

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



34.6867, 38.8897, 85.0352



49.3486, 38.8897, 32.3936



28.7690, 38.8897, 23.6719

Complementary

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



34.6867, 38.8897, 85.0352



47.5058, 40.7066, 15.0278

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.



33.3025, 38.8897, 17.6650



34.6867, 38.8897, 85.0352



45.3437, 38.8897, 21.6498

Square

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



34.6867, 38.8897, 85.0352



49.8257, 38.8897, 49.3587



39.3378, 38.8897, 17.0452



26.5304, 38.8897, 36.0280

Rectangle

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



34.6867, 38.8897, 85.0352



44.8632, 38.8897, 74.7061



39.3378, 38.8897, 17.0452



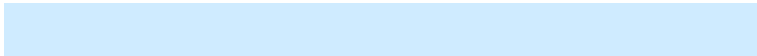
30.0502, 38.8897, 21.0097

Sweetspot

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



34.6881, 38.8911, 85.0362



73.2953, 79.6981, 106.1279



39.7857, 64.3947, 39.5418



15.0783, 16.4698, 22.6342



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.



34.6881, 38.8911, 85.0362



35.8733, 39.5013, 100.3415



24.1261, 17.7671, 81.5155



14.9597, 16.0059, 19.2232



13.4385, 13.5239, 45.6451



1.1499, 1.2513, 3.6158

Inverse Universe

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



45.9873, 28.2419, 43.5861



51.0579, 28.3324, 43.9339



63.0495, 71.7940, 20.2091



15.4332, 15.2011, 17.5667



21.6384, 10.8581, 14.4291



1.7469, 0.8717, 1.3847

Previews

White Background



This preview shows how the XYZ color 34.6867, 38.8897, 85.0352 looks on a white background.

Color Contrast Check

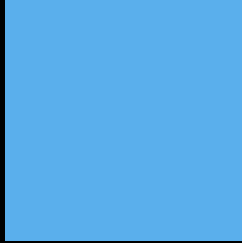
Large Text (above 18pt) WCAG AA × Fail

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 34.6867, 38.8897, 85.0352 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

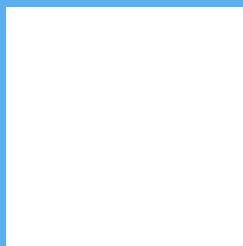
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6867, 38.8897, 85.0352

Background



This preview shows how black text looks on a background with the XYZ color 34.6867, 38.8897, 85.0352.

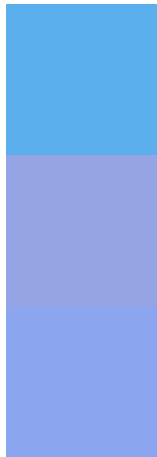


This preview shows how white text looks on a background with the XYZ color 34.6867, 38.8897,

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

34.6867, 38.8897, 85.0352

Protanopia

39.4918, 38.4483, 78.7386

Deuteranopia

39.5352, 38.5723, 86.2504



Tritanopia

29.4045, 38.8267, 58.7678

Trichromacy



Original Color

34.6867, 38.8897, 85.0352

Protanomaly

37.1788, 38.2868, 81.0319

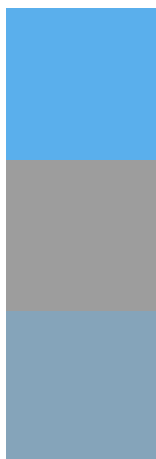
Deuteranomaly

37.3592, 38.5553, 85.5936

Tritanomaly

31.0199, 38.5630, 67.4365

Monochromacy



Original Color

34.6867, 38.8897, 85.0352

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.8113, 35.0826, 51.5494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6867, 38.8897, 85.0352 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(90, 175, 236)` looks like.

```
.text, #text, p{  
    color:rgb(90, 175, 236)  
}
```

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(90, 175, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 175, 236) }
```

Border

The CSS property to change the border of an element to XYZ 34.6867, 38.8897, 85.0352 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(90, 175, 236) }
```


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

```
.border{ border-color:rgb(90, 175, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 175, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 175, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 175, 236);  
box-shadow:4px 4px 4px 4px rgb(90, 175,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6867, 38.8897, 85.0352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 175, 236) }
```

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

```
.background{ background-color: rgb(90, 175,  
236) }
```

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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