

# Converting Colors

XYZ(34.4303, 36.9944, 87.7640)

Have a look what the booklet for  
XYZ(34.4303, 36.9944, 87.7640)  
contains.

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# Color

**XYZ(34.4303, 36.9944,  
87.7640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DA9F0
RGB	93, 169, 240
RGB Percent	36%, 66%, 94%
CMY	0.6353, 0.3372, 0.0588
CMYK	0.61, 0.30, 0.00, 0.06
HSL	209°, 83%, 65%
HSV	209°, 61%, 94%
XYZ	34.4303, 36.9944, 87.7640
YIQ	154.3700, -68.0870, 5.9690

# Conversions

## Conversions Part 2

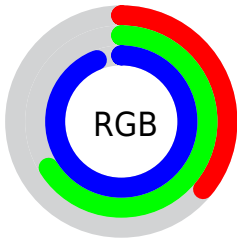
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	93, 143, 240
Decimal	6138352
CIE Lab	67.27, -2.51, -42.56
CIE LCh	67, 42.630, 266.628
Yxy	36.9944, 0.2163, 0.2324
Android (android.graphics.Color)	4284328432 (0xFF5DA9F0)
YUV	154.3700, 42.2156, -53.8215
Hunter-Lab	60.8230, -5.3962, -42.9758

# Details

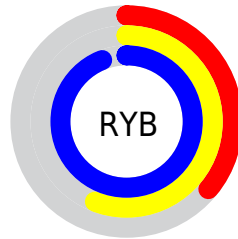
The XYZ color **34.4303, 36.9944, 87.7640** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **51.1880, 45.8688, 16.5132**, and the grayscale version is **30.7208, 32.3206, 35.1972**.

A 20% lighter version of the original color is **58.0321, 67.4013, 104.5589**, and **15.0130, 16.1833, 47.6798** is the 20% darker color. If you saturate the color by 10%, you get **30.3096, 31.8098, 86.9812**, and if you desaturate by 10%, it is **39.5069, 42.9568, 88.6480**.

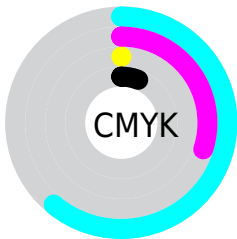
# Distribution



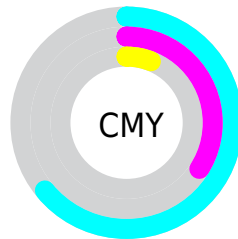
- Red (36%)
- Green (66%)
- Blue (94%)



- Red (36%)
- Yellow (56%)
- Blue (94%)



- Cyan (61%)
- Magenta (30%)
- Yellow (0%)
- Black (6%)



- Cyan (64%)
- Magenta (34%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4303, 36.9944, 87.7640 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 34.4303, 36.9944, 87.7640 by changing the saturation by 10% instead.



■ 34.4303, 36.9944,  
87.7640

■ 34.4303, 36.9944,  
87.7640

313.5988,  
333.2863, 541.1113

■ 23.3888, 25.2032,  
65.5644

■ 65.9421, 70.5642,  
146.1368

■ 15.0031, 16.2285,  
47.4646

■ 87.1432, 93.1115,  
183.1471

■ 8.9079, 9.6860,  
33.0461

■ 112.4614,  
120.0130, 225.9314

■ 4.7378, 5.1912,  
21.8904

■ 142.2623,  
151.6530, 274.9082

■ 2.1274, 2.3599,  
13.5788

176.9111,  
188.4159, 330.4960

■ 0.7041, 0.8051,  
7.6929

216.7732,

■ 0.0000, 0.0000,

230.6862, 393.1135

3.8142

262.2140,  
278.8482, 463.1791

■ 0.0000, 0.0000,  
1.5240

■ 0.0000, 0.0000,  
0.2357

■ 34.4303, 36.9944,  
87.7640

■ 34.4303, 36.9944,  
87.7640

■ 30.3096, 31.8098,  
86.9812

■ 39.5069, 42.9568,  
88.6480

■ 27.0617, 27.3511,  
86.2918

■ 45.6047, 49.7360,  
89.6352

■ 24.5941, 23.5636,  
85.6908

■ 52.7872, 57.3721,  
90.7305

■ 22.9460, 20.7266,  
85.2300

■ 61.1114, 65.9011,  
91.9380

70.6300, 75.3565,  
93.2614

81.3923, 85.7700,  
94.7042

91.1997, 96.0141,  
96.1646

92.7283, 99.0713,  
96.6742

# Harmonies

## Analogous

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



28.7110, 36.9944, 78.2886



34.4303, 36.9944, 87.7640



41.0814, 36.9944, 81.6216

# Triad

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



34.4303, 36.9944, 87.7640



47.5927, 36.9944, 26.2445



25.7029, 36.9944, 23.5920

# Complementary

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



34.4303, 36.9944, 87.7640



51.1880, 45.8688, 16.5132

# 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.



29.8405, 36.9944, 15.9663



34.4303, 36.9944, 87.7640



42.5136, 36.9944, 17.1324

# Square

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



34.4303, 36.9944, 87.7640



49.2100, 36.9944, 42.4281



35.9041, 36.9944, 14.0303



24.0797, 36.9944, 38.2068



# Rectangle

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



34.4303, 36.9944, 87.7640



45.0778, 36.9944, 70.2863



35.9041, 36.9944, 14.0303



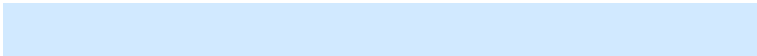
26.8187, 36.9944, 20.3233

# Sweetspot

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



34.4316, 36.9957, 87.7649



73.4637, 78.9716, 105.9788



42.1617, 67.2428, 44.7553



15.0702, 16.2472, 22.5917



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.



34.4316, 36.9957, 87.7649



33.9648, 35.4221, 99.6548



24.6022, 17.3368, 84.4884



15.5732, 16.5806, 20.1012



12.6949, 11.6141, 46.7005



1.1557, 1.1654, 3.9182



# Inverse Universe

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



47.0121, 29.2200, 40.6995



50.1585, 28.2177, 38.4427



67.6489, 78.7904, 22.0002



16.1140, 15.8953, 18.1567



21.7334, 10.9658, 11.7787



1.8583, 0.9324, 1.2446



# Previews

## White Background



This preview shows how the XYZ color 34.4303, 36.9944, 87.7640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

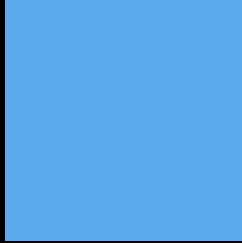
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.4303, 36.9944, 87.7640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

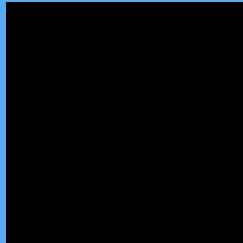
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.4303, 36.9944, 87.7640**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4303, 36.9944, 87.7640.



This preview shows how white text looks on a background with the XYZ color 34.4303, 36.9944,



# 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

34.4303, 36.9944, 87.7640

### Protanopia

38.0940, 36.6003, 82.1476

### Deuteranopia

37.8494, 36.8407, 89.1205



## Tritanopia

28.1446, 37.0306, 56.1163

# Trichromacy



**Original Color**

34.4303, 36.9944, 87.7640

**Protanomaly**

36.4059, 36.4615, 84.4759

**Deuteranomaly**

36.4025, 36.9060, 88.4240

**Tritanomaly**

30.1873, 36.9754, 66.5187

# Monochromacy



**Original Color**

34.4303, 36.9944, 87.7640

**Achromatopsia**

30.7148, 32.3143, 35.1903

**Achromatomaly**

30.6708, 33.2046, 50.6915

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4303, 36.9944, 87.7640 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(93, 169, 240)` looks like.

```
.text, #text, p{  
    color:rgb(93, 169, 240)  
}
```

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(93, 169, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 169, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4303, 36.9944, 87.7640 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(93, 169, 240) }
```



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

```
.border{ border-color:rgb(93, 169, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 169, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 169, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 169, 240);  
box-shadow:4px 4px 4px 4px rgb(93, 169,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4303, 36.9944, 87.7640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 169, 240) }
```

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

```
.background{ background-color: rgb(93, 169,  
240) }
```

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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