

# Converting Colors

XYZ(34.3701, 33.8209, 97.6451)

Have a look what the booklet for  
XYZ(34.3701, 33.8209, 97.6451)  
contains.

<b>XYZ(34.3701, 33.8209, 97.6451)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(34.3701, 33.8209,  
97.6451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5C9EFD
RGB	92, 158, 253
RGB Percent	36%, 62%, 99%
CMY	0.6392, 0.3804, 0.0078
CMYK	0.64, 0.38, 0.00, 0.01
HSL	215°, 98%, 68%
HSV	215°, 64%, 99%
XYZ	34.3701, 33.8209, 97.6451
YIQ	149.0960, -69.8310, 15.5530

# Conversions

## Conversions Part 2

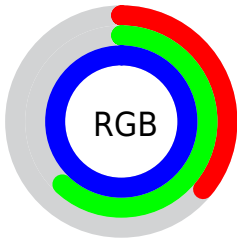
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	92, 139, 253
Decimal	6070013
CIE Lab	64.82, 7.86, -53.52
CIE LCh	65, 54.096, 278.351
Yxy	33.8209, 0.2073, 0.2039
Android (android.graphics.Color)	4284260093 (0xFF5C9EFD)
YUV	149.0960, 51.2247, -50.0732
Hunter-Lab	58.1557, 3.7211, -58.8405

# Details

The XYZ color **34.3701, 33.8209, 97.6451** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **60.2124, 57.1996, 17.9943**, and the grayscale version is **28.4213, 29.9014, 32.5627**.

A 20% lighter version of the original color is **55.1111, 61.2755, 103.5304**, and **15.2215, 14.5009, 54.2212** is the 20% darker color. If you saturate the color by 10%, you get **29.8579, 27.9417, 96.7488**, and if you desaturate by 10%, it is **40.0378, 40.7559, 98.6857**.

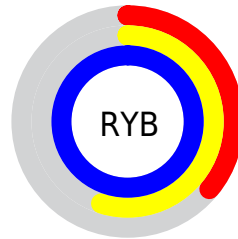
# Distribution



Red (36%)

Green (62%)

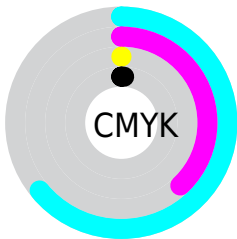
Blue (99%)



Red (36%)

Yellow (55%)

Blue (99%)

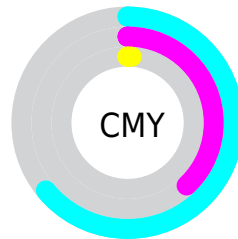


Cyan (64%)

Magenta (38%)

Yellow (0%)

Black (1%)



Cyan (64%)

Magenta (38%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3701, 33.8209, 97.6451 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 34.3701, 33.8209, 97.6451 by changing the saturation by 10% instead.



■ 34.3701, 33.8209,  
97.6451

■ 34.3701, 33.8209,  
97.6451

313.3361,  
319.3327, 573.7980

■ 23.3423, 22.7560,  
73.7294

■ 65.8493, 65.6551,  
159.9408

■ 14.9685, 14.4135,  
54.0772

■ 87.0313, 87.1931,  
199.1579

■ 8.8835, 8.4088,  
38.2698

■ 112.3289,  
112.9911, 244.3125

■ 4.7218, 4.3576,  
25.8887

■ 142.1073,  
143.4333, 295.8232

■ 2.1180, 1.8756,  
16.5154

176.7318,  
178.9042, 354.1086

■ 0.6990, 0.5336,  
9.7313

216.5679,

■ 0.0000, 0.0000,

219.7881, 419.5872

5.1179

261.9809,  
266.4695, 492.6775

■ 0.0000, 0.0000,  
2.2566

■ 0.0000, 0.0000,  
0.7068

■ 34.3701, 33.8209,  
97.6451

■ 34.3701, 33.8209,  
97.6451

■ 29.8579, 27.9417,  
96.7488

■ 40.0378, 40.7559,  
98.6857

■ 26.3985, 23.0476,  
95.9865

■ 46.9432, 48.8034,  
99.8751

■ 23.8744, 19.0611,  
95.3501

■ 55.1651, 58.0192,  
101.2206

■ 22.6508, 16.9340,  
95.0040

■ 64.7739, 68.4538,  
102.7282

■ 75.8350, 80.1546,  
104.4037

■ 88.4093, 93.1659,  
106.2524

94.7298, 99.8719,  
107.2136

# Harmonies

## Analogous

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



26.9314, 33.8209, 92.8027



34.3701, 33.8209, 97.6451



42.3617, 33.8209, 81.7390

# Triad

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



34.3701, 33.8209, 97.6451



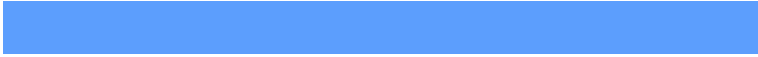
45.3782, 33.8209, 16.1093



20.1390, 33.8209, 23.1605

# Complementary

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



34.3701, 33.8209, 97.6451



60.2124, 57.1996, 17.9943

# 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.



23.7204, 33.8209, 12.3916



34.3701, 33.8209, 97.6451



37.9931, 33.8209, 9.6158

# Square

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



34.3701, 33.8209, 97.6451



49.3555, 33.8209, 30.9410



30.0195, 33.8209, 8.6034

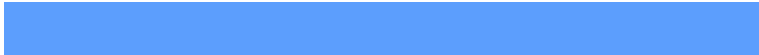


19.4889, 33.8209, 43.4118



# Rectangle

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



34.3701, 33.8209, 97.6451



46.6535, 33.8209, 64.2253



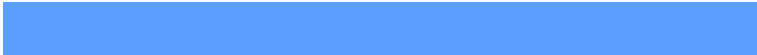
30.0195, 33.8209, 8.6034



21.0084, 33.8209, 18.5937

# Sweetspot

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



34.3714, 33.8220, 97.6460



70.9647, 75.0369, 105.3511



48.3946, 76.0687, 58.5423



14.5164, 15.3459, 22.4469



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.



34.3714, 33.8220, 97.6460



29.4589, 27.1627, 98.2980



27.4334, 17.7767, 94.9146



17.6145, 18.6006, 22.9118



12.1841, 9.2779, 50.5832



1.2906, 1.1120, 4.9599



# Inverse Universe

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



50.5079, 31.0073, 35.6715



47.7005, 26.5313, 27.6667



72.8521, 89.4767, 23.5582



18.3181, 18.1105, 20.2920



22.9382, 11.6646, 8.3250



2.2861, 1.1568, 1.0878



# Previews

## White Background



This preview shows how the XYZ color 34.3701, 33.8209, 97.6451 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

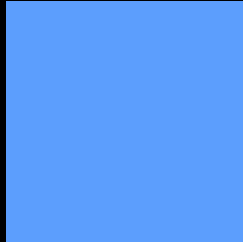
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.3701, 33.8209, 97.6451 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

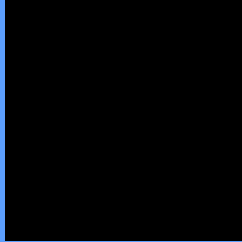
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

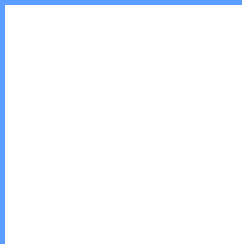
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 34.3701, 33.8209, 97.6451

## Background



This preview shows how black text looks on a background with the XYZ color 34.3701, 33.8209, 97.6451.



This preview shows how white text looks on a background with the XYZ color 34.3701, 33.8209,



# 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

34.3701, 33.8209, 97.6451

### Protanopia

36.2358, 33.6151, 94.2011

### Deuteranopia

34.8236, 33.8025, 97.6176



## Tritanopia

25.2463, 33.8910, 51.6654

# Trichromacy



## Original Color

34.3701, 33.8209, 97.6451

## Protanomaly

35.4071, 33.6598, 95.0733

## Deuteranomaly

34.6105, 33.6926, 97.6077

## Tritanomaly

27.9058, 33.5558, 65.9789

# Monochromacy



## Original Color

34.3701, 33.8209, 97.6451

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

29.1000, 30.6335, 51.3928

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.3701, 33.8209, 97.6451 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(92, 158, 253)` looks like.

```
.text, #text, p{  
    color:rgb(92, 158, 253)  
}
```

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(92, 158, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 158, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 34.3701, 33.8209, 97.6451 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(92, 158, 253) }
```



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

```
.border{ border-color:rgb(92, 158, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 158, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 158, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 158, 253);  
box-shadow:4px 4px 4px 4px rgb(92, 158,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.3701, 33.8209, 97.6451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 158, 253) }
```

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

```
.background{ background-color: rgb(92, 158,  
253) }
```

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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