

Converting Colors

XYZ(34.9117, 33.7104, 88.2119)

Have a look what the booklet for
XYZ(34.9117, 33.7104, 88.2119)
contains.

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Color

**XYZ(34.9681, 33.8408,
87.9080)**

Conversions

Conversions Part 1

Format	Color
Hex	749CF1
RGB	116, 156, 241
RGB Percent	45%, 61%, 95%
CMY	0.5451, 0.3882, 0.0549
CMYK	0.52, 0.35, 0.00, 0.05
HSL	221°, 82%, 70%
HSV	221°, 52%, 95%
XYZ	34.9681, 33.8408, 87.9080
YIQ	153.7300, -51.1250, 17.9550

Conversions

Conversions Part 2

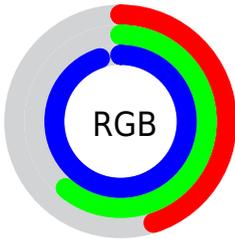
Format	Color
R _Y B	116, 146, 241
Decimal	7642353
CIE Lab	64.84, 9.84, -46.86
CIE LCh	65, 47.881, 281.862
Yxy	33.8408, 0.2231, 0.2159
Android (android.graphics.Color)	4285832433 (0xFF749CF1)
YUV	153.7300, 43.0241, -33.0892
Hunter-Lab	58.1728, 5.4951, -48.8752

Details

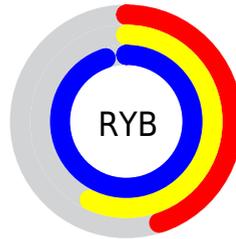
The XYZ color **34.9681, 33.8408, 87.9080** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.3164, 61.7374, 25.2623**, and the grayscale version is **30.4317, 32.0165, 34.8660**.

A 20% lighter version of the original color is **58.5522, 62.3119, 103.5491**, and **15.2246, 14.3481, 47.3144** is the 20% darker color. If you saturate the color by 10%, you get **29.6033, 27.2648, 86.9221**, and if you desaturate by 10%, it is **41.5374, 41.5895, 89.0581**.

Distribution



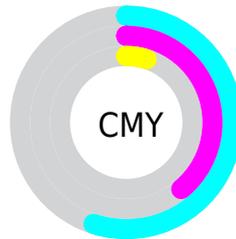
- Red (45%)
- Green (61%)
- Blue (95%)



- Red (45%)
- Yellow (57%)
- Blue (95%)



- Cyan (52%)
- Magenta (35%)
- Yellow (0%)
- Black (5%)



- Cyan (55%)
- Magenta (39%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9681, 33.8408, 87.9080 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 34.9681, 33.8408, 87.9080 by changing the saturation by 10% instead.

■ 34.9681, 33.8408,
87.9080

■ 34.9681, 33.8408,
87.9080

315.9380,
319.4216, 541.5954

■ 23.8047, 22.7713,
65.6830

■ 66.7707, 65.6860,
146.3391

■ 15.3128, 14.4247,
47.5602

■ 88.1406, 87.2306,
183.3822

■ 9.1269, 8.4167,
33.1212

■ 113.6434,
113.0356, 226.2018

■ 4.8818, 4.3627,
21.9475

143.6444,
143.4855, 275.2164

■ 2.2121, 1.8785,
13.6204

178.5090,
178.9646, 330.8445

■ 0.7491, 0.5354,
7.7214

218.6026,

■ 0.0000, 0.0000,

219.8574, 393.5047

3.8320

264.2905,
266.5483, 463.6155

■ 0.0000, 0.0000,
1.5336

■ 0.0000, 0.0000,
0.2428

■ 34.9681, 33.8408,
87.9080

■ 34.9681, 33.8408,
87.9080

■ 29.6033, 27.2648,
86.9221

■ 41.5374, 41.5895,
89.0581

■ 25.3586, 21.7948,
86.0900

■ 49.3798, 50.5656,
90.3773

■ 22.1441, 17.3613,
85.4037

■ 58.5633, 60.8241,
91.8734

■ 19.8519, 13.8837,
84.8533

■ 69.1494, 72.4154,
93.5528

■ 18.5393, 11.6750,
84.4961

■ 81.1961, 85.3873,
95.4217

■ 92.6649, 98.7060,
97.3880

■ 92.8773, 99.1309,
97.4588

Harmonies

Analogous

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



28.2108, 33.8408, 86.0007



34.9681, 33.8408, 87.9080



41.8500, 33.8408, 72.9835

Triad

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



34.9681, 33.8408, 87.9080



43.0854, 33.8408, 16.8701



21.1374, 33.8408, 26.2440

Complementary

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



34.9681, 33.8408, 87.9080



60.3164, 61.7374, 25.2623

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.



24.1023, 33.8408, 15.1832



34.9681, 33.8408, 87.9080



36.4718, 33.8408, 11.2578

Square

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



34.9681, 33.8408, 87.9080



46.9652, 33.8408, 29.5789



29.5152, 33.8408, 10.7767



20.8546, 33.8408, 45.2174

Rectangle

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



34.9681, 33.8408, 87.9080



45.3319, 33.8408, 57.8147



29.5152, 33.8408, 10.7767



21.8313, 33.8408, 21.6824

Sweetspot

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



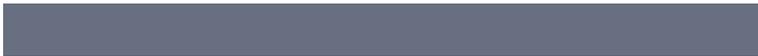
34.9694, 33.8420, 87.9088



73.3789, 76.6242, 105.5302



49.0066, 70.7637, 65.3133



15.1759, 15.8199, 22.5036



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.



34.9694, 33.8420, 87.9088



33.4791, 30.7759, 98.7835



32.4134, 24.1478, 86.1724



15.3101, 16.0544, 20.0135



10.1609, 6.5461, 45.8559



0.9318, 0.7175, 3.8436

Inverse Universe

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



48.5229, 33.5934, 35.3802



50.8104, 31.9129, 31.2873



64.1745, 79.4141, 28.4709



15.9812, 15.8422, 17.4574



20.4544, 10.4542, 5.0434



1.7453, 0.8871, 0.6494

Previews

White Background



This preview shows how the XYZ color 34.9681, 33.8408, 87.9080 looks on a white background.

Color Contrast Check

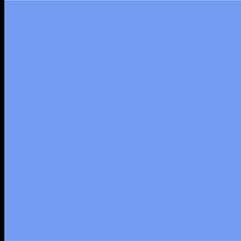
Large Text (above 18pt) WCAG AA × Fail

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 34.9681, 33.8408, 87.9080 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 34.9681, 33.8408, 87.9080

Background



This preview shows how black text looks on a background with the XYZ color 34.9681, 33.8408, 87.9080.



This preview shows how white text looks on a background with the XYZ color 34.9681, 33.8408,

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

34.9681, 33.8408, 87.9080

Protanopia

35.7398, 33.7788, 86.2976

Deuteranopia

34.7051, 33.7052, 87.8957



Tritanopia

27.2700, 33.8695, 49.3561

Trichromacy



Original Color

34.9681, 33.8408, 87.9080

Protanomaly

35.4756, 33.8715, 87.1062

Deuteranomaly

34.8359, 33.7726, 87.9018

Tritanomaly

29.6485, 33.7463, 61.4510

Monochromacy



Original Color

34.9681, 33.8408, 87.9080

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.3995, 32.5633, 51.0848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9681, 33.8408, 87.9080 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(116, 156, 241)` looks like.

```
.text, #text, p{  
    color:rgb(116, 156, 241)  
}
```

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(116, 156, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 156, 241) }
```

Border

The CSS property to change the border of an element to XYZ 34.9681, 33.8408, 87.9080 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(116, 156, 241) }
```

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

```
.border{ border-color:rgb(116, 156, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 156, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 156, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 156, 241);  
box-shadow:4px 4px 4px 4px rgb(116, 156,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9681, 33.8408, 87.9080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 156, 241) }
```

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

```
.background{ background-color: rgb(116,  
156, 241) }
```

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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