

Converting Colors

XYZ(34.7756, 33.6184, 93.4631)

Have a look what the booklet for
XYZ(34.7756, 33.6184, 93.4631)
contains.

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Color

**XYZ(34.7756, 33.6184,
93.4631)**

Conversions

Conversions Part 1

Format	Color
Hex	6A9CF8
RGB	106, 156, 248
RGB Percent	42%, 61%, 97%
CMY	0.5843, 0.3882, 0.0274
CMYK	0.57, 0.37, 0.00, 0.03
HSL	219°, 91%, 69%
HSV	219°, 57%, 97%
XYZ	34.7756, 33.6184, 93.4631
YIQ	151.5380, -59.3320, 18.0120

Conversions

Conversions Part 2

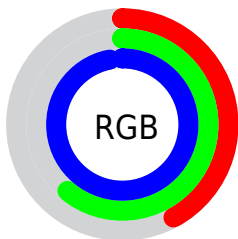
Format	Color
RYB	106, 143, 248
Decimal	6987000
CIELab	64.66, 9.95, -51.01
CIELCh	65, 51.969, 281.036
Yxy	33.6184, 0.2149, 0.2077
Android (android.graphics.Color)	4285177080 (0xFF6A9CF8)
YUV	151.5380, 47.5558, -39.9368
Hunter-Lab	57.9814, 5.5919, -54.9856

Details

The XYZ color **34.7756, 33.6184, 93.4631** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.5091, 61.3884, 22.2449**, and the grayscale version is **29.4678, 31.0024, 33.7617**.

A 20% lighter version of the original color is **56.8225, 61.4202, 103.4682**, and **15.1487, 14.2221, 51.2369** is the 20% darker color. If you saturate the color by 10%, you get **29.7229, 27.2726, 92.5052**, and if you desaturate by 10%, it is **41.0395, 41.1190, 94.5814**.

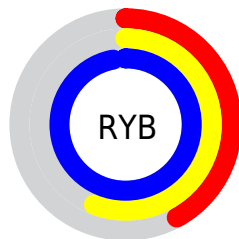
Distribution



Red (42%)

Green (61%)

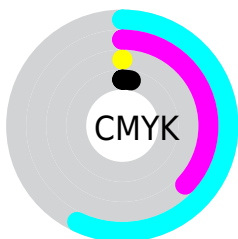
Blue (97%)



Red (42%)

Yellow (56%)

Blue (97%)

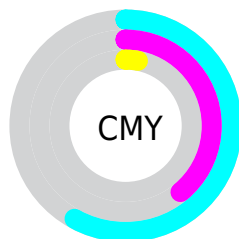


Cyan (57%)

Magenta (37%)

Yellow (0%)

Black (3%)



Cyan (58%)

Magenta (39%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7756, 33.6184, 93.4631 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 34.7756, 33.6184, 93.4631 by changing the saturation by 10% instead.

■ 34.7756, 33.6184,
93.4631

■ 34.7756, 33.6184,
93.4631

315.1021,
318.4271, 560.0911

■ 23.6558, 22.6006,
70.2667

■ 66.4743, 65.3398,
154.1169

■ 15.2018, 14.2989,
51.2658

■ 87.7839, 86.8122,
192.4113

■ 9.0484, 8.3288,
36.0420

■ 113.2208,
112.5383, 236.5754

■ 4.8301, 4.3061,
24.1767

143.1503,
142.9024, 287.0278

■ 2.1817, 1.8462,
15.2513

177.9379,
178.2889, 344.1871

■ 0.7330, 0.5157,
8.8474

217.9488,

■ 0.0000, 0.0000,

219.0823, 408.4717

4.5463

263.5484,
265.6669, 480.3002

■ 0.0000, 0.0000,
1.9296

■ 0.0000, 0.0000,
0.5115

■ 34.7756, 33.6184,
93.4631

■ 34.7756, 33.6184,
93.4631

■ 29.7229, 27.2726,
92.5052

■ 41.0395, 41.1190,
94.5814

■ 25.7879, 22.0115,
91.6971

■ 48.5906, 49.8317,
95.8652

■ 22.8681, 17.7606,
91.0305

■ 57.5028, 59.8136,
97.3221

■ 20.8323, 14.4287,
90.4947

■ 67.8429, 71.1167,
98.9589

■ 20.3775, 13.6455,
90.3675

■ 79.6732, 83.7902,
100.7816

■ 93.0523, 97.8802,
102.7960

■ 93.9434, 99.5574,
103.0728

Harmonies

Analogous

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



27.5193, 33.6184, 90.7469



34.7756, 33.6184, 93.4631



42.3144, 33.6184, 77.1041

Triad

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



34.7756, 33.6184, 93.4631



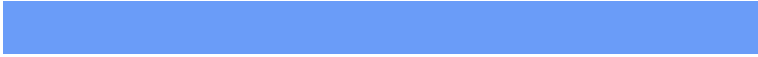
44.0260, 33.6184, 15.7318



20.2273, 33.6184, 24.8229

Complementary

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



34.7756, 33.6184, 93.4631



61.5091, 61.3884, 22.2449

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.



23.4387, 33.6184, 13.5560



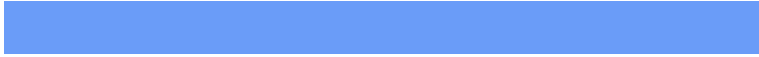
34.7756, 33.6184, 93.4631



36.8396, 33.6184, 9.8949

Square

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



34.7756, 33.6184, 93.4631



48.1817, 33.6184, 29.2974



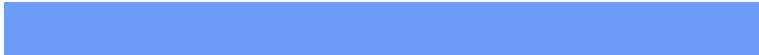
29.2880, 33.6184, 9.2936



19.8517, 33.6184, 45.0361

Rectangle

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



34.7756, 33.6184, 93.4631



46.2013, 33.6184, 60.2904



29.2880, 33.6184, 9.2936



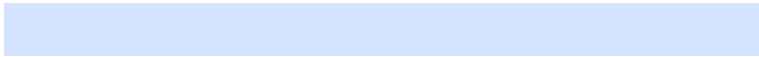
20.9845, 33.6184, 20.1115

Sweetspot

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



34.7769, 33.6195, 93.4639



72.5459, 76.0558, 105.4644



49.4690, 74.1826, 63.8981



15.0250, 15.7343, 22.4951



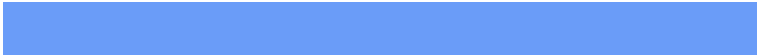
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.7769, 33.6195, 93.4639



30.8036, 27.9343, 98.3761



30.5468, 21.4423, 91.3365



16.7829, 17.6427, 21.9061



11.1268, 7.6091, 48.8558



1.1260, 0.8958, 4.5567

Inverse Universe

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



49.8674, 32.6665, 35.1303



48.8473, 28.7823, 28.1805



68.5045, 84.8454, 26.4038



17.4970, 17.3261, 19.2069



21.9083, 11.1790, 6.2255



2.0773, 1.0547, 0.8305

Previews

White Background



This preview shows how the XYZ color 34.7756, 33.6184, 93.4631 looks on a white background.

Color Contrast Check

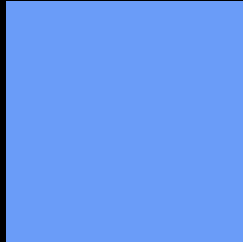
Large Text (above 18pt) WCAG AA × Fail

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 34.7756, 33.6184, 93.4631 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

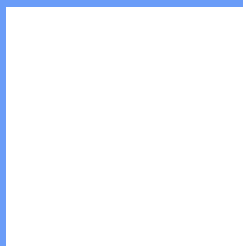
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7756, 33.6184, 93.4631

Background



This preview shows how black text looks on a background with the XYZ color 34.7756, 33.6184, 93.4631.



This preview shows how white text looks on a background with the XYZ color 34.7756, 33.6184,

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

34.7756, 33.6184, 93.4631

Protanopia

35.8987, 33.5126, 90.9627

Deuteranopia

34.6574, 33.5575, 93.4575



Tritanopia

26.0435, 33.5003, 49.8933

Trichromacy



Original Color

34.7756, 33.6184, 93.4631

Protanomaly

35.3926, 33.4780, 91.7853

Deuteranomaly

34.6574, 33.5575, 93.4575

Tritanomaly

28.6578, 33.1798, 63.9254

Monochromacy



Original Color

34.7756, 33.6184, 93.4631

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.3525, 31.5212, 51.4982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7756, 33.6184, 93.4631 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(106, 156, 248)` looks like.

```
.text, #text, p{  
    color:rgb(106, 156, 248)  
}
```

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(106, 156, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 156, 248) }
```

Border

The CSS property to change the border of an element to XYZ 34.7756, 33.6184, 93.4631 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(106, 156, 248) }
```


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

```
.border{ border-color:rgb(106, 156, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 156, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 156, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 156, 248);  
box-shadow:4px 4px 4px 4px rgb(106, 156,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7756, 33.6184, 93.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 156, 248) }
```

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

```
.background{ background-color: rgb(106,  
156, 248) }
```

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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