

Converting Colors

XYZ(35.1051, 33.1959, 99.1650)

Have a look what the booklet for
XYZ(35.1051, 33.1959, 99.1650)
contains.

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Color

**XYZ(35.0851, 33.1560,
99.1583)**

Conversions

Conversions Part 1

Format	Color
Hex	669AFF
RGB	102, 154, 255
RGB Percent	40%, 60%, 100%
CMY	0.6000, 0.3961, 0.0000
CMYK	0.60, 0.40, 0.00, 0.00
HSL	220°, 100%, 70%
HSV	220°, 60%, 100%
XYZ	35.0851, 33.1560, 99.1583
YIQ	149.9660, -63.4130, 20.3870

Conversions

Conversions Part 2

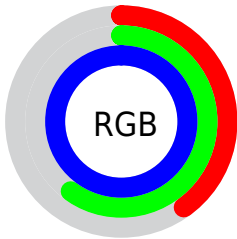
Format	Color
RYB	102, 141, 255
Decimal	6724351
CIELab	64.29, 12.61, -55.43
CIELCh	64, 56.849, 282.813
Yxy	33.1560, 0.2096, 0.1981
Android (android.graphics.Color)	4284914431 (0xFF669AFF)
YUV	149.9660, 51.7818, -42.0662
Hunter-Lab	57.5812, 7.9955, -61.7940

Details

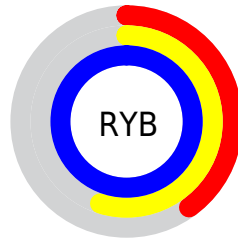
The XYZ color **35.0851, 33.1560, 99.1583** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.9961, 64.9343, 21.6804**, and the grayscale version is **28.7831, 30.2821, 32.9772**.

A 20% lighter version of the original color is **55.7101, 60.1183, 103.2755**, and **15.4742, 14.1484, 55.3414** is the 20% darker color. If you saturate the color by 10%, you get **30.0406, 26.7165, 98.1812**, and if you desaturate by 10%, it is **41.4102, 40.8349, 100.3071**.

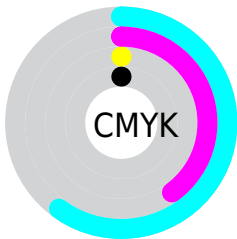
Distribution



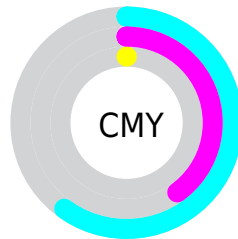
- Red (40%)
- Green (60%)
- Blue (100%)



- Red (40%)
- Yellow (55%)
- Blue (100%)



- Cyan (60%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0851, 33.1560, 99.1583 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 35.0851, 33.1560, 99.1583 by changing the saturation by 10% instead.

■ 35.0851, 33.1560,
99.1583

■ 35.0851, 33.1560,
99.1583

316.4452,
316.3521, 578.7143

■ 23.8953, 22.2460,
74.9848

■ 66.9507, 64.6190,
162.0418

■ 15.3803, 14.0378,
55.0988

■ 88.3572, 85.9408,
201.5889

■ 9.1747, 8.1469,
39.0817

■ 113.9000,
111.5019, 247.0976

■ 4.9134, 4.1891,
26.5150

143.9444,
141.6868, 298.9865

■ 2.2307, 1.7799,
16.9801

178.8557,
176.8799, 357.6740

■ 0.7589, 0.4746,
10.0585

218.9994,

■ 0.0000, 0.0000,

217.4656, 423.5788

5.3316

264.7408,
263.8282, 497.1194

■ 0.0000, 0.0000,
2.3810

■ 0.0000, 0.0000,
0.7761

■ 35.0851, 33.1560,
99.1583

■ 35.0851, 33.1560,
99.1583

■ 30.0406, 26.7165,
98.1812

■ 41.4102, 40.8349,
100.3071

■ 26.1723, 21.4374,
97.3661

■ 49.1011, 49.8185,
101.6358

■ 23.3637, 17.2335,
96.7027

■ 58.2396, 60.1707,
103.1523

■ 21.4313, 13.9825,
96.1771

■ 68.8997, 71.9498,
104.8640

■ 21.4308, 13.9816,
96.1769

■ 81.1499, 85.2106,
106.7780

95.0500, 100.0000,
108.9000

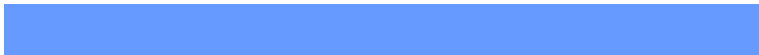
Harmonies

Analogous

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



27.1439, 33.1560, 97.4454



35.0851, 33.1560, 99.1583



43.2907, 33.1560, 79.5460

Triad

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



35.0851, 33.1560, 99.1583



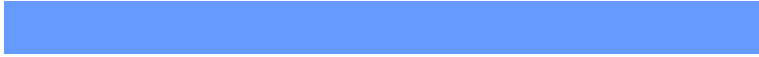
44.3346, 33.1560, 13.5251



18.8834, 33.1560, 24.4889

Complementary

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



35.0851, 33.1560, 99.1583



64.9961, 64.9343, 21.6804

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.



22.0935, 33.1560, 12.3158



35.0851, 33.1560, 99.1583



36.3292, 33.1560, 8.1002

Square

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



35.0851, 33.1560, 99.1583



49.2129, 33.1560, 27.1082



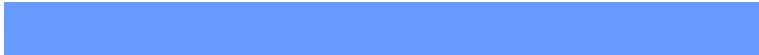
28.1934, 33.1560, 7.7802



18.6662, 33.1560, 46.8912

Rectangle

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



35.0851, 33.1560, 99.1583



47.4456, 33.1560, 60.4745



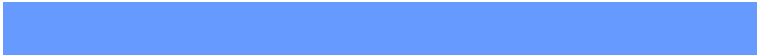
28.1934, 33.1560, 7.7802



19.6193, 33.1560, 19.3541

Sweetspot

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



35.0863, 33.1570, 99.1584



71.2167, 74.4777, 105.2299



51.8364, 78.5836, 67.9741



14.5251, 15.1570, 22.4100



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.



35.0863, 33.1570, 99.1584



29.1749, 25.5686, 98.0053



31.2533, 21.0810, 97.0296



17.5076, 18.3867, 22.8762



11.3216, 7.5527, 50.2957



1.1989, 0.9284, 4.9293

Inverse Universe

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



51.8250, 33.0975, 34.2296



47.8076, 27.5331, 25.2743



71.4540, 89.6438, 26.1094



18.2641, 18.0889, 20.0078



22.5028, 11.4904, 6.0322



2.2397, 1.1383, 0.8439

Previews

White Background



This preview shows how the XYZ color 35.0851, 33.1560, 99.1583 looks on a white background.

Color Contrast Check

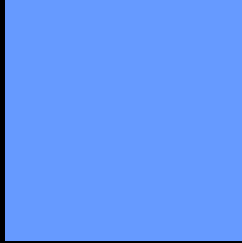
Large Text (above 18pt) WCAG AA × Fail

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 35.0851, 33.1560, 99.1583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

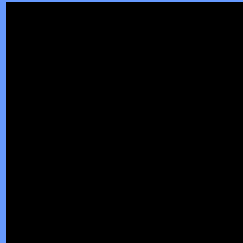
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

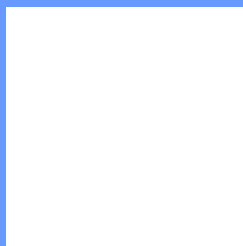
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.0851, 33.1560, 99.1583

Background



This preview shows how black text looks on a background with the XYZ color 35.0851, 33.1560, 99.1583.



This preview shows how white text looks on a background with the XYZ color 35.0851, 33.1560,

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

35.0851, 33.1560, 99.1583

Protanopia

36.0281, 33.1932, 97.4365

Deuteranopia

34.3521, 33.2722, 99.2194



Tritanopia

25.2610, 33.0969, 49.8567

Trichromacy



Original Color

35.0851, 33.1560, 99.1583

Protanomaly

35.7110, 33.2532, 98.3023

Deuteranomaly

34.5952, 33.1495, 99.1829

Tritanomaly

28.2638, 32.9482, 65.1916

Monochromacy



Original Color

35.0851, 33.1560, 99.1583

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.8166, 30.7506, 51.9409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0851, 33.1560, 99.1583 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(102, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 154, 255)  
}
```

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(102, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 154, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.0851, 33.1560, 99.1583 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(102, 154, 255) }
```


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

```
.border{ border-color:rgb(102, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 154,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0851, 33.1560, 99.1583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 154, 255) }
```

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

```
.background{ background-color: rgb(102,  
154, 255) }
```

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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