

Converting Colors

XYZ(34.4913, 35.7368, 99.6878)

Have a look what the booklet for
XYZ(34.4913, 35.7368, 99.6878)
contains.

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Color

**XYZ(34.4856, 35.6668,
99.6745)**

Conversions

Conversions Part 1

Format	Color
Hex	4CA5FF
RGB	76, 165, 255
RGB Percent	30%, 65%, 100%
CMY	0.7019, 0.3529, 0.0000
CMYK	0.70, 0.35, 0.00, 0.00
HSL	210°, 100%, 65%
HSV	210°, 70%, 100%
XYZ	34.4856, 35.6668, 99.6745
YIQ	148.6490, -81.9340, 9.1220

Conversions

Conversions Part 2

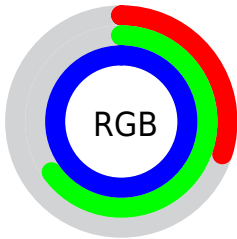
Format	Color
R_{YB}	76, 135, 255
Decimal	5023231
CIE Lab	66.26, 2.03, -52.36
CIE LCh	66, 52.399, 272.220
Yxy	35.6668, 0.2031, 0.2100
Android (android.graphics.Color)	4283213311 (0xFF4CA5FF)
YUV	148.6490, 52.4310, -63.7132
Hunter-Lab	59.7217, -1.4402, -57.1488

Details

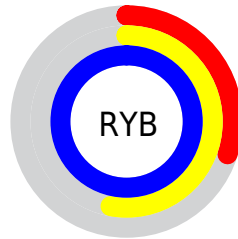
The XYZ color **34.4856, 35.6668, 99.6745** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **56.1828, 49.0577, 13.3474**, and the grayscale version is **28.2333, 29.7036, 32.3472**.

A 20% lighter version of the original color is **54.9709, 64.2460, 104.1112**, and **16.2104, 16.1118, 55.6816** is the 20% darker color. If you saturate the color by 10%, you get **30.6482, 30.4262, 98.8652**, and if you desaturate by 10%, it is **39.3596, 41.7870, 100.5990**.

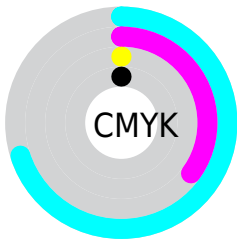
Distribution



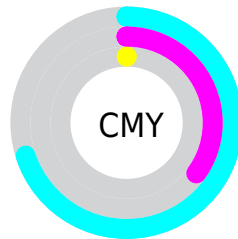
- Red (30%)
- Green (65%)
- Blue (100%)



- Red (30%)
- Yellow (53%)
- Blue (100%)



- Cyan (70%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4856, 35.6668, 99.6745 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 34.4856, 35.6668, 99.6745 by changing the saturation by 10% instead.

■ 34.4856, 35.6668,
99.6745

■ 34.4856, 35.6668,
99.6745

313.8399,
327.5018, 580.3863

■ 23.4316, 24.1770,
75.4134

■ 66.0274, 68.5175,
162.7578

■ 15.0349, 15.4649,
55.4478

■ 87.2459, 90.6471,
202.4170

■ 8.9304, 9.1463,
39.3594

■ 112.5832,
117.0921, 248.0460

■ 4.7525, 4.8368,
26.7294

■ 142.4047,
148.2369, 300.0633

■ 2.1361, 2.1518,
17.1395

177.0757,
184.4659, 358.8874

■ 0.7087, 0.6935,
10.1710

216.9617,

■ 0.0000, 0.0000,

226.1634, 424.9369

5.4054

262.4280,
273.7140, 498.6304

■ 0.0000, 0.0000,
2.4242

■ 0.0000, 0.0000,
0.7996

■ 34.4856, 35.6668,
99.6745

■ 34.4856, 35.6668,
99.6745

■ 30.6482, 30.4262,
98.8652

■ 39.3596, 41.7870,
100.5990

■ 27.7358, 25.9960,
98.1636

■ 45.3576, 48.8400,
101.6442

■ 25.6113, 22.3426,
97.5704

■ 52.5612, 56.8777,
102.8160

■ 61.0426, 65.9462,
104.1193

■ 70.8680, 76.0883,
105.5591

■ 82.0987, 87.3439,
107.1397

94.7920, 99.7506,
108.8655

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.



27.3669, 35.6668, 90.7179



34.4856, 35.6668, 99.6745



42.5609, 35.6668, 87.8147

Triad

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



34.4856, 35.6668, 99.6745



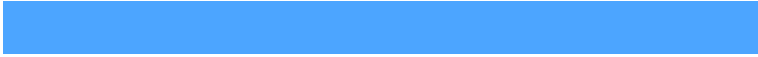
48.2704, 35.6668, 20.1104



22.2664, 35.6668, 22.0303

Complementary

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



34.4856, 35.6668, 99.6745



56.1828, 49.0577, 13.3474

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.



26.5022, 35.6668, 12.6170



34.4856, 35.6668, 99.6745



41.3984, 35.6668, 11.8455

Square

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



34.4856, 35.6668, 99.6745



51.2443, 35.6668, 37.1919



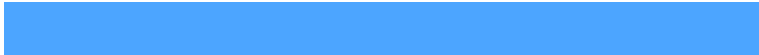
33.3215, 35.6668, 9.7496



20.9912, 35.6668, 40.5260

Rectangle

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



34.4856, 35.6668, 99.6745



47.2197, 35.6668, 71.6219



33.3215, 35.6668, 9.7496



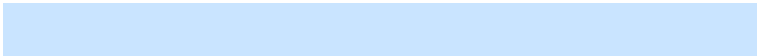
23.3554, 35.6668, 17.9843

Sweetspot

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



34.4869, 35.6679, 99.6747



70.0224, 75.2277, 105.4376



45.5790, 75.7920, 48.0661



14.3841, 15.4842, 22.4806



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.



34.4869, 35.6679, 99.6747



29.4365, 28.6473, 98.5858



23.6166, 13.9274, 96.0513



17.7490, 18.8697, 22.9567



13.5316, 11.9727, 51.0324



1.4267, 1.3840, 5.0052

Inverse Universe

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



50.6169, 29.1471, 38.5564



47.3159, 24.9480, 30.0479



78.3049, 93.3020, 20.7215



18.3860, 18.1377, 20.6497



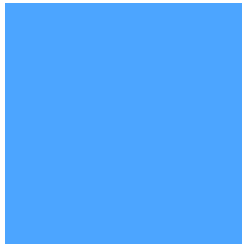
23.6183, 11.9366, 11.9064



2.3547, 1.1843, 1.4494

Previews

White Background



This preview shows how the XYZ color 34.4856, 35.6668, 99.6745 looks on a white background.

Color Contrast Check

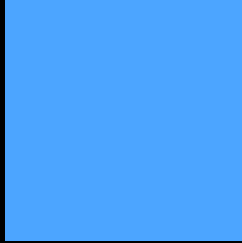
Large Text (above 18pt) WCAG AA × Fail

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 34.4856, 35.6668, 99.6745 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

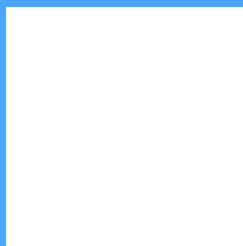
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4856, 35.6668, 99.6745

Background



This preview shows how black text looks on a background with the XYZ color 34.4856, 35.6668, 99.6745.



This preview shows how white text looks on a background with the XYZ color 34.4856, 35.6668,

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

34.4856, 35.6668, 99.6745

Protanopia

37.7526, 35.4033, 93.6507

Deuteranopia

36.5647, 35.4258, 99.5184



Tritanopia

25.6485, 35.7567, 55.4191

Trichromacy



Original Color

34.4856, 35.6668, 99.6745

Protanomaly

36.1677, 35.2948, 96.1731

Deuteranomaly

35.6896, 35.4936, 99.5776

Tritanomaly

28.0086, 35.2055, 69.6091

Monochromacy



Original Color

34.4856, 35.6668, 99.6745

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.8245, 31.2111, 52.0821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4856, 35.6668, 99.6745 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(76, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 165, 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(76, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.4856, 35.6668, 99.6745 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(76, 165, 255) }
```


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

```
.border{ border-color:rgb(76, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4856, 35.6668, 99.6745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 165, 255) }
```

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

```
.background{ background-color: rgb(76, 165,  
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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