

Converting Colors

XYZ(34.4387, 36.5092, 99.8396)

Have a look what the booklet for
XYZ(34.4387, 36.5092, 99.8396)
contains.

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Color

**XYZ(34.4365, 36.4542,
99.8291)**

Conversions

Conversions Part 1

Format	Color
Hex	44A8FF
RGB	68, 168, 255
RGB Percent	27%, 66%, 100%
CMY	0.7333, 0.3412, 0.0000
CMYK	0.73, 0.34, 0.00, 0.00
HSL	208°, 100%, 63%
HSV	208°, 73%, 100%
XYZ	34.4365, 36.4542, 99.8291
YIQ	148.0180, -87.5270, 5.8570

Conversions

Conversions Part 2

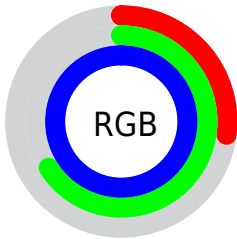
Format	Color
R _{YB}	68, 133, 255
Decimal	4499711
CIE Lab	66.87, -0.73, -51.42
CIE LCh	67, 51.429, 269.186
Yxy	36.4542, 0.2017, 0.2135
Android (android.graphics.Color)	4282689791 (0xFF44A8FF)
YUV	148.0180, 52.7421, -70.1758
Hunter-Lab	60.3773, -3.8519, -55.7672

Details

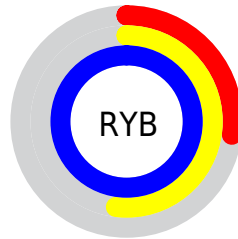
The XYZ color **34.4365, 36.4542, 99.8291** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **54.0070, 45.1239, 11.3342**, and the grayscale version is **27.9710, 29.4277, 32.0468**.

A 20% lighter version of the original color is **54.9189, 65.3986, 104.3364**, and **16.4384, 16.5680, 55.7576** is the 20% darker color. If you saturate the color by 10%, you get **30.9375, 31.5463, 99.0662**, and if you desaturate by 10%, it is **38.9105, 42.1625, 100.6951**.

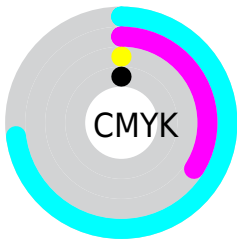
Distribution



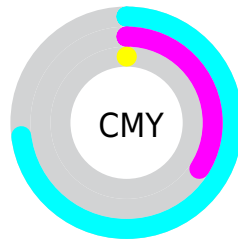
- Red (27%)
- Green (66%)
- Blue (100%)



- Red (27%)
- Yellow (52%)
- Blue (100%)



- Cyan (73%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4365, 36.4542, 99.8291 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 34.4365, 36.4542, 99.8291 by changing the saturation by 10% instead.

■ 34.4365, 36.4542,
99.8291

■ 34.4365, 36.4542,
99.8291

313.6258,
330.9414, 580.8866

■ 23.3936, 24.7852,
75.5417

■ 65.9517, 69.7325,
162.9721

■ 15.0067, 15.9171,
55.5524

■ 87.1547, 92.1107,
202.6649

■ 8.9104, 9.4655,
39.4426

■ 112.4751,
118.8273, 248.3298

■ 4.7395, 5.0460,
26.7937

■ 142.2783,
150.2667, 300.3855

■ 2.1284, 2.2743,
17.1873

176.9296,
186.8135, 359.2505

■ 0.7046, 0.7601,
10.2048

216.7944,

■ 0.0000, 0.0000,

228.8520, 425.3433

5.4276

262.2380,
276.7665, 499.0825

■ 0.0000, 0.0000,
2.4372

■ 0.0000, 0.0000,
0.8066

■ 34.4365, 36.4542,
99.8291

■ 34.4365, 36.4542,
99.8291

■ 30.9375, 31.5463,
99.0662

■ 38.9105, 42.1625,
100.6951

■ 28.2961, 27.3687,
98.3991

■ 44.4500, 48.7238,
101.6696

■ 26.9046, 24.9293,
98.0015

■ 51.1380, 56.1888,
102.7580

■ 59.0478, 64.6023,
103.9651

■ 68.2459, 74.0055,
105.2953

■ 78.7940, 84.4368,
106.7528

■ 90.7494, 95.9321,
108.3415

■ 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.



27.5335, 36.4542, 89.0591



34.4365, 36.4542, 99.8291



42.4717, 36.4542, 90.1065

Triad

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



34.4365, 36.4542, 99.8291



49.4266, 36.4542, 22.2444



23.3186, 36.4542, 21.5353

Complementary

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



34.4365, 36.4542, 99.8291



54.0070, 45.1239, 11.3342

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.



27.8505, 36.4542, 12.7990



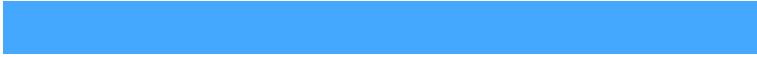
34.4365, 36.4542, 99.8291



42.8947, 36.4542, 13.0874

Square

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



34.4365, 36.4542, 99.8291



51.8719, 36.4542, 40.3043



34.8616, 36.4542, 10.4086



21.7345, 36.4542, 39.0868

Rectangle

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



34.4365, 36.4542, 99.8291



47.2553, 36.4542, 74.8166



34.8616, 36.4542, 10.4086



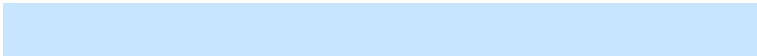
24.5107, 36.4542, 17.7511

Sweetspot

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



34.4378, 36.4553, 99.8293



69.5680, 75.3310, 105.4815



43.8252, 75.0216, 41.9441



14.3181, 15.5488, 22.4965



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.



34.4378, 36.4553, 99.8293



29.6046, 29.5082, 98.7431



23.1141, 13.8080, 96.0547



17.8074, 18.9865, 22.9762



14.2093, 13.3282, 51.2583



1.4929, 1.5165, 5.0273

Inverse Universe

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



50.3760, 28.2230, 39.8391



47.2727, 24.4404, 31.3319



75.1334, 87.3767, 18.3764



18.4154, 18.1495, 20.8049



23.9604, 12.0735, 13.7078



2.3882, 1.1976, 1.6254

Previews

White Background



This preview shows how the XYZ color 34.4365, 36.4542, 99.8291 looks on a white background.

Color Contrast Check

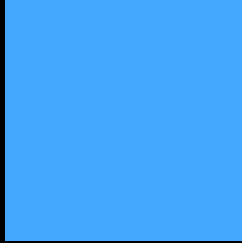
Large Text (above 18pt) WCAG AA × Fail

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 34.4365, 36.4542, 99.8291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

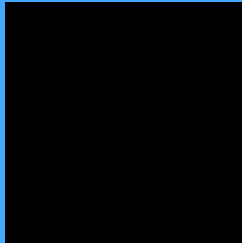
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

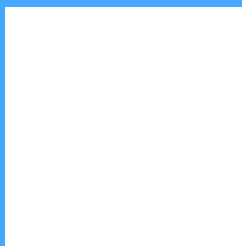
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4365, 36.4542, 99.8291

Background



This preview shows how black text looks on a background with the XYZ color 34.4365, 36.4542, 99.8291.

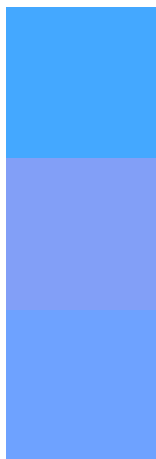


This preview shows how white text looks on a background with the XYZ color 34.4365, 36.4542,

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

34.4365, 36.4542, 99.8291

Protanopia

38.3926, 36.2575, 92.9706

Deuteranopia

37.4007, 36.3757, 99.6577



Tritanopia

26.0589, 36.5376, 56.7179

Trichromacy



Original Color

34.4365, 36.4542, 99.8291

Protanomaly

36.2391, 35.8686, 95.4558

Deuteranomaly

36.0448, 36.2038, 99.6960

Tritanomaly

28.3209, 36.2152, 70.4633

Monochromacy



Original Color

34.4365, 36.4542, 99.8291

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.2987, 30.9525, 51.4966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4365, 36.4542, 99.8291 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(68, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(68, 168, 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(68, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 168, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.4365, 36.4542, 99.8291 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(68, 168, 255) }
```


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

```
.border{ border-color:rgb(68, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(68, 168,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4365, 36.4542, 99.8291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 168, 255) }
```

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

```
.background{ background-color: rgb(68, 168,  
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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