

Converting Colors

XYZ(34.5151, 36.2657, 99.7886)

Have a look what the booklet for
XYZ(34.5151, 36.2657, 99.7886)
contains.

XYZ(34.4672, 36.1970, 99.7778)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.4672, 36.1970,
99.7778)**

Conversions

Conversions Part 1

Format	Color
Hex	47A7FF
RGB	71, 167, 255
RGB Percent	28%, 65%, 100%
CMY	0.7215, 0.3451, 0.0000
CMYK	0.72, 0.35, 0.00, 0.00
HSL	209°, 100%, 64%
HSV	209°, 72%, 100%
XYZ	34.4672, 36.1970, 99.7778
YIQ	148.3280, -85.4640, 7.0160

Conversions

Conversions Part 2

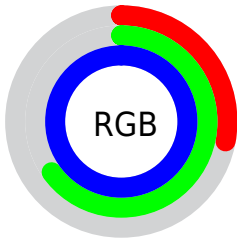
Format	Color
R _Y B	71, 134, 255
Decimal	4696063
CIE Lab	66.67, 0.22, -51.73
CIE LCh	67, 51.728, 270.241
Yxy	36.1970, 0.2022, 0.2124
Android (android.graphics.Color)	4282886143 (0xFF47A7FF)
YUV	148.3280, 52.5893, -67.8167
Hunter-Lab	60.1639, -3.0264, -56.2137

Details

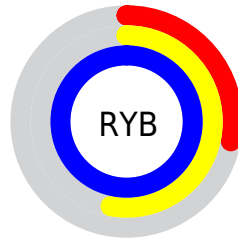
The XYZ color **34.4672, 36.1970, 99.7778** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **54.7777, 46.5150, 12.0545**, and the grayscale version is **28.0999, 29.5633, 32.1944**.

A 20% lighter version of the original color is **54.9865, 65.0380, 104.2632**, and **16.4384, 16.5680, 55.7576** is the 20% darker color. If you saturate the color by 10%, you get **30.8439, 31.1676, 98.9980**, and if you desaturate by 10%, it is **39.0877, 42.0543, 100.6649**.

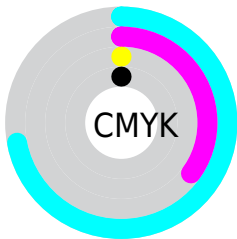
Distribution



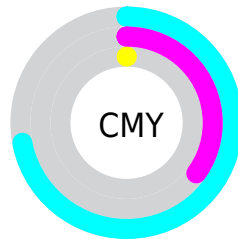
- Red (28%)
- Green (65%)
- Blue (100%)



- Red (28%)
- Yellow (53%)
- Blue (100%)



- Cyan (72%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4672, 36.1970, 99.7778 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 34.4672, 36.1970, 99.7778 by changing the saturation by 10% instead.

■ 34.4672, 36.1970,
99.7778

■ 34.4672, 36.1970,
99.7778

313.7597,
329.8208, 580.7206

■ 23.4173, 24.5864,
75.4991

■ 65.9990, 69.3360,
162.9010

■ 15.0244, 15.7692,
55.5177

■ 87.2117, 91.6332,
202.5826

■ 8.9229, 9.3610,
39.4150

■ 112.5427,
118.2614, 248.2356

■ 4.7476, 4.9774,
26.7724

■ 142.3573,
149.6049, 300.2786

■ 2.1332, 2.2340,
17.1714

177.0210,
186.0483, 359.1300

■ 0.7072, 0.7384,
10.1935

216.8990,

■ 0.0000, 0.0000,

227.9757, 425.2085

5.4202

262.3568,
275.7718, 498.9325

■ 0.0000, 0.0000,
2.4328

■ 0.0000, 0.0000,
0.8042

■ 34.4672, 36.1970,
99.7778

■ 34.4672, 36.1970,
99.7778

■ 30.8439, 31.1676,
98.9980

■ 39.0877, 42.0543,
100.6649

■ 28.1026, 26.8967,
98.3181

■ 44.7947, 48.7922,
101.6647

■ 26.4427, 24.0054,
97.8476

■ 51.6703, 56.4618,
102.7826

■ 59.7875, 65.1081,
104.0237

■ 69.2126, 74.7729,
105.3924

■ 80.0071, 85.4949,
106.8931

■ 92.2281, 97.3107,
108.5296

■ 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.



27.4903, 36.1970, 89.6317



34.4672, 36.1970, 99.7778



42.5152, 36.1970, 89.3200

Triad

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



34.4672, 36.1970, 99.7778



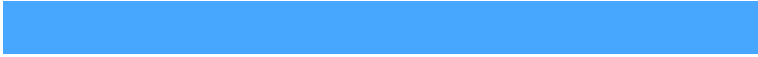
49.0392, 36.1970, 21.5107



22.9675, 36.1970, 21.7201

Complementary

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



34.4672, 36.1970, 99.7778



54.7777, 46.5150, 12.0545

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.



27.3965, 36.1970, 12.7498



34.4672, 36.1970, 99.7778



42.3897, 36.1970, 12.6650

Square

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



34.4672, 36.1970, 99.7778



51.6671, 36.1970, 39.2322



34.3412, 36.1970, 10.1914



21.4911, 36.1970, 39.5931

Rectangle

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



34.4672, 36.1970, 99.7778



47.2552, 36.1970, 73.7184



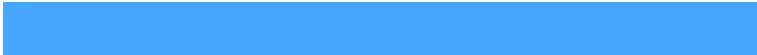
34.3412, 36.1970, 10.1914



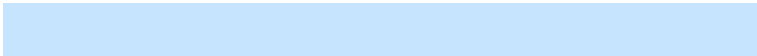
24.1238, 36.1970, 17.8459

Sweetspot

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



34.4685, 36.1981, 99.7780



69.3664, 74.9279, 105.4143



44.4344, 75.2900, 44.0320



14.2706, 15.4537, 22.4807



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.



34.4685, 36.1981, 99.7780



29.4125, 29.0068, 98.6564



23.3135, 13.8881, 96.0597



17.7872, 18.9459, 22.9694



13.9675, 12.8445, 51.1777



1.4694, 1.4695, 5.0195

Inverse Universe

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



50.4692, 28.5581, 39.4123



47.2043, 24.5226, 30.6343



76.2123, 89.3843, 19.1994



18.4052, 18.1454, 20.7510



23.8383, 12.0246, 13.0650



2.3763, 1.1929, 1.5630

Previews

White Background



This preview shows how the XYZ color 34.4672, 36.1970, 99.7778 looks on a white background.

Color Contrast Check

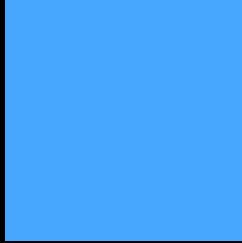
Large Text (above 18pt) WCAG AA × Fail

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 34.4672, 36.1970, 99.7778 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

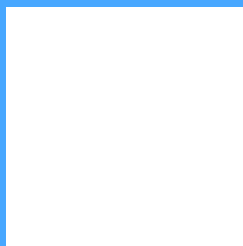
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4672, 36.1970, 99.7778

Background



This preview shows how black text looks on a background with the XYZ color 34.4672, 36.1970, 99.7778.

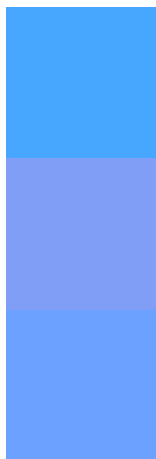


This preview shows how white text looks on a background with the XYZ color 34.4672, 36.1970,

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

34.4672, 36.1970, 99.7778

Protanopia

38.0686, 35.8362, 92.9063

Deuteranopia

36.9792, 35.8979, 99.5877



Tritanopia

25.7457, 36.0905, 56.0613

Trichromacy



Original Color

34.4672, 36.1970, 99.7778

Protanomaly

36.1845, 35.5800, 95.4030

Deuteranomaly

35.8665, 35.8473, 99.6366

Tritanomaly

28.1506, 35.8374, 70.3994

Monochromacy



Original Color

34.4672, 36.1970, 99.7778

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.4367, 31.0236, 51.5031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4672, 36.1970, 99.7778 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(71, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 167, 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(71, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 167, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.4672, 36.1970, 99.7778 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(71, 167, 255) }
```


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

```
.border{ border-color:rgb(71, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 167,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4672, 36.1970, 99.7778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 167, 255) }
```

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

```
.background{ background-color: rgb(71, 167,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor