

Converting Colors

XYZ(34.6613, 35.9589, 99.7210)

Have a look what the booklet for
XYZ(34.6613, 35.9589, 99.7210)
contains.

XYZ(34.7468, 36.0702, 99.7386)	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(34.7468, 36.0702,
99.7386)**

Conversions

Conversions Part 1

Format	Color
Hex	4DA6FF
RGB	77, 166, 255
RGB Percent	30%, 65%, 100%
CMY	0.6980, 0.3490, 0.0000
CMYK	0.70, 0.35, 0.00, 0.00
HSL	210°, 100%, 65%
HSV	210°, 70%, 100%
XYZ	34.7468, 36.0702, 99.7386
YIQ	149.5350, -81.6130, 8.8110

Conversions

Conversions Part 2

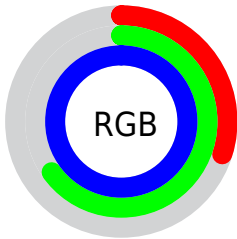
Format	Color
R_{YB}	77, 136, 255
Decimal	5089023
CIE _{Lab}	66.57, 1.60, -51.87
CIE _{LCh}	67, 51.893, 271.762
Yxy	36.0702, 0.2037, 0.2115
Android (android.graphics.Color)	4283279103 (0xFF4DA6FF)
YUV	149.5350, 51.9942, -63.6132
Hunter-Lab	60.0585, -1.8312, -56.4215

Details

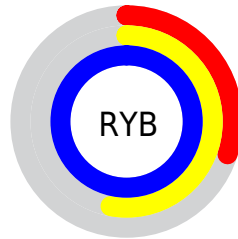
The XYZ color **34.7468, 36.0702, 99.7386** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **56.2181, 49.0722, 13.5323**, and the grayscale version is **28.6065, 30.0962, 32.7748**.

A 20% lighter version of the original color is **55.4081, 64.8622, 104.2071**, and **16.3238, 16.3387, 55.7194** is the 20% darker color. If you saturate the color by 10%, you get **30.8736, 30.8019, 98.9259**, and if you desaturate by 10%, it is **39.6582, 42.2158, 100.6660**.

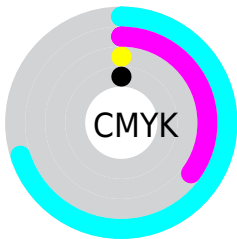
Distribution



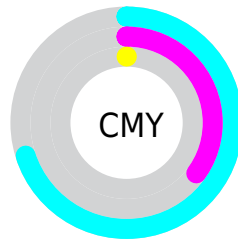
- Red (30%)
- Green (65%)
- Blue (100%)



- 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 34.7468, 36.0702, 99.7386 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 34.7468, 36.0702, 99.7386 by changing the saturation by 10% instead.

■ 34.7468, 36.0702,
99.7386

■ 34.7468, 36.0702,
99.7386

314.9769,
329.2673, 580.5938

■ 23.6335, 24.4884,
75.4666

■ 66.4299, 69.1404,
162.8467

■ 15.1852, 15.6963,
55.4912

■ 87.7305, 91.3976,
202.5198

■ 9.0367, 9.3095,
39.3939

■ 113.1575,
117.9821, 248.1637

■ 4.8224, 4.9436,
26.7561

■ 143.0763,
149.2782, 300.1969

■ 2.1771, 2.2142,
17.1593

177.8523,
185.6704, 359.0380

■ 0.7306, 0.7277,
10.1850

217.8509,

■ 0.0000, 0.0000,

227.5431, 425.1055

5.4146

263.4373,
275.2805, 498.8179

■ 0.0000, 0.0000,
2.4295

■ 0.0000, 0.0000,
0.8025

■ 34.7468, 36.0702,
99.7386

■ 34.7468, 36.0702,
99.7386

■ 30.8736, 30.8019,
98.9259

■ 39.6582, 42.2158,
100.6660

■ 27.9277, 26.3425,
98.2204

■ 45.6946, 49.2915,
101.7136

■ 25.7430, 22.5965,
97.6125

■ 52.9369, 57.3486,
102.8871

■ 25.7033, 22.5266,
97.6011

■ 61.4571, 66.4330,
104.1915

■ 71.3210, 76.5871,
105.6315

■ 82.5897, 87.8505,
107.2116

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.



27.6669, 36.0702, 90.5597



34.7468, 36.0702, 99.7386



42.7985, 36.0702, 88.2744

Triad

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



34.7468, 36.0702, 99.7386



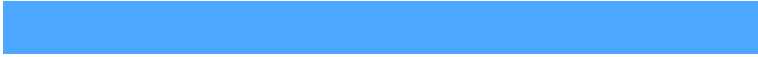
48.6794, 36.0702, 20.7278



22.6969, 36.0702, 22.2577

Complementary

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



34.7468, 36.0702, 99.7386



56.2181, 49.0722, 13.5323

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.



26.9804, 36.0702, 12.9069



34.7468, 36.0702, 99.7386



41.8793, 36.0702, 12.2882

Square

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



34.7468, 36.0702, 99.7386



51.5625, 36.0702, 37.9685



33.8246, 36.0702, 10.0882



21.3733, 36.0702, 40.6097

Rectangle

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



34.7468, 36.0702, 99.7386



47.4622, 36.0702, 72.3025



33.8246, 36.0702, 10.0882



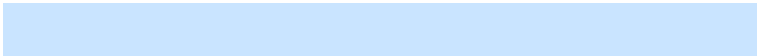
23.8027, 36.0702, 18.2392

Sweetspot

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



34.7481, 36.0713, 99.7388



70.0635, 75.3099, 105.4513



45.7050, 75.8517, 48.3112



14.3939, 15.5037, 22.4838



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.



34.7481, 36.0713, 99.7388



29.5299, 28.8341, 98.6169



23.7663, 14.1077, 96.0782



17.7534, 18.8784, 22.9581



13.5798, 12.0692, 51.0484



1.4314, 1.3935, 5.0068

Inverse Universe

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



50.7778, 29.3227, 39.0608



47.3630, 24.9669, 30.2961



78.3400, 93.3160, 20.9062



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 34.7468, 36.0702, 99.7386 looks on a white background.

Color Contrast Check

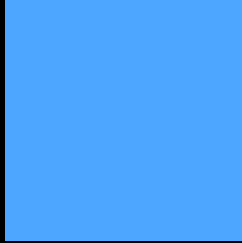
Large Text (above 18pt) WCAG AA × Fail

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 34.7468, 36.0702, 99.7386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

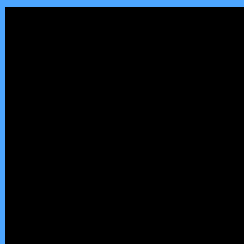
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

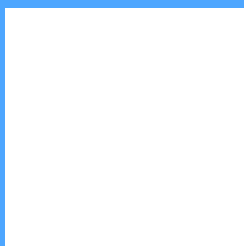
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7468, 36.0702, 99.7386

Background



This preview shows how black text looks on a background with the XYZ color 34.7468, 36.0702, 99.7386.



This preview shows how white text looks on a background with the XYZ color 34.7468, 36.0702,

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

34.7468, 36.0702, 99.7386

Protanopia

38.0722, 35.8202, 93.7143

Deuteranopia

36.9792, 35.8979, 99.5877



Tritanopia

25.8994, 35.8732, 56.0113

Trichromacy



Original Color

34.7468, 36.0702, 99.7386

Protanomaly

36.4641, 35.7060, 96.2369

Deuteranomaly

36.0770, 35.9558, 99.6464

Tritanomaly

28.5270, 35.7436, 70.3614

Monochromacy



Original Color

34.7468, 36.0702, 99.7386

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.1339, 31.6187, 52.1445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7468, 36.0702, 99.7386 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(77, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 166, 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(77, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 166, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.7468, 36.0702, 99.7386 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(77, 166, 255) }
```


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

```
.border{ border-color:rgb(77, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 166,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7468, 36.0702, 99.7386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 166, 255) }
```

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

```
.background{ background-color: rgb(77, 166,  
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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