

Converting Colors

XYZ(40.3826, 36.6380,
137.2864)

Have a look what the booklet for
XYZ(40.3826, 36.6380, 137.2864)
contains.

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Color

**XYZ(33.1466, 33.6637,
99.3585)**

Conversions

Conversions Part 1

Format	Color
Hex	46A0FF
RGB	70, 160, 255
RGB Percent	27%, 63%, 100%
CMY	0.7254, 0.3725, 0.0000
CMYK	0.73, 0.37, 0.00, 0.00
HSL	211°, 100%, 64%
HSV	211°, 73%, 100%
XYZ	33.1466, 33.6637, 99.3585
YIQ	143.9200, -84.1350, 10.4650

Conversions

Conversions Part 2

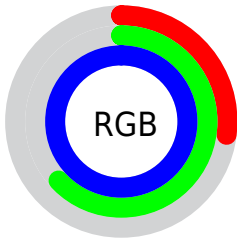
Format	Color
R _Y B	70, 131, 255
Decimal	4628735
CIE Lab	64.69, 4.12, -54.86
CIE LCh	65, 55.015, 274.294
Yxy	33.6637, 0.1995, 0.2026
Android (android.graphics.Color)	4282818815 (0xFF46A0FF)
YUV	143.9200, 54.7624, -64.8278
Hunter-Lab	58.0204, 0.4399, -60.9183

Details

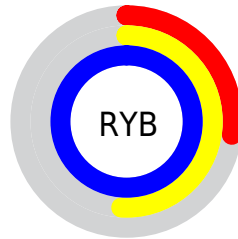
The XYZ color **33.1466, 33.6637, 99.3585** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **55.8031, 48.6168, 12.2393**, and the grayscale version is **26.2899, 27.6591, 30.1207**.

A 20% lighter version of the original color is **52.7440, 60.8021, 103.5638**, and **15.6617, 15.0145, 55.4987** is the 20% darker color. If you saturate the color by 10%, you get **29.5300, 28.6052, 98.5727**, and if you desaturate by 10%, it is **37.7849, 39.6048, 100.2607**.

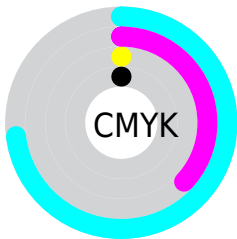
Distribution



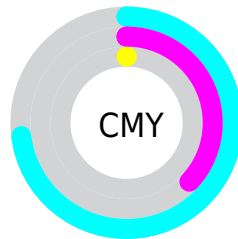
- Red (27%)
- Green (63%)
- Blue (100%)



- Red (27%)
- Yellow (51%)
- Blue (100%)



- Cyan (73%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1466, 33.6637, 99.3585 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 33.1466, 33.6637, 99.3585 by changing the saturation by 10% instead.

■ 33.1466, 33.6637,
99.3585

■ 33.1466, 33.6637,
99.3585

307.9631,
318.6299, 579.3631

■ 22.3985, 22.6354,
75.1510

■ 63.9575, 65.4104,
162.3195

■ 14.2683, 14.3245,
55.2341

■ 84.7510, 86.8975,
201.9101

■ 8.3904, 8.3467,
39.1893

■ 109.6238,
112.6396, 247.4655

■ 4.3997, 4.3176,
26.5981

■ 138.9411,
143.0212, 299.4042

■ 1.9306, 1.8528,
17.0418

173.0683,
178.4266, 358.1448

■ 0.5945, 0.5197,
10.1021

212.3709,

■ 0.0000, 0.0000,

219.2403, 424.1058

5.3602

257.2140,
265.8466, 497.7057

■ 0.0000, 0.0000,
2.3977

■ 0.0000, 0.0000,
0.7852

■ 33.1466, 33.6637,
99.3585

■ 33.1466, 33.6637,
99.3585

■ 29.5300, 28.6052,
98.5727

■ 37.7849, 39.6048,
100.2607

■ 26.8178, 24.3566,
97.8956

■ 43.5364, 46.4847,
101.2856

■ 25.2635, 21.6471,
97.4545

■ 50.4851, 54.3574,
102.4389

■ 58.7054, 63.2707,
103.7261

■ 68.2652, 73.2690,
105.1521

■ 79.2272, 84.3935,
106.7216

■ 91.6500, 96.6832,
108.4390

■ 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.



25.8523, 33.6637, 91.4492



33.1466, 33.6637, 99.3585



41.3358, 33.6637, 85.5903

Triad

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



33.1466, 33.6637, 99.3585



46.2500, 33.6637, 17.2078



20.1734, 33.6637, 20.8435

Complementary

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



33.1466, 33.6637, 99.3585



55.8031, 48.6168, 12.2393

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.



24.1816, 33.6637, 11.1887



33.1466, 33.6637, 99.3585



39.0440, 33.6637, 9.7767

Square

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



33.1466, 33.6637, 99.3585



49.6498, 33.6637, 33.4939



30.8730, 33.6637, 8.1444



19.1188, 33.6637, 40.0069

Rectangle

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



33.1466, 33.6637, 99.3585



45.9762, 33.6637, 68.3384



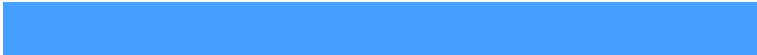
30.8730, 33.6637, 8.1444



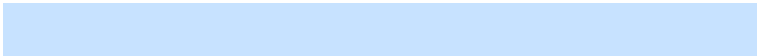
21.1834, 33.6637, 16.6829

Sweetspot

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



33.1478, 33.6647, 99.3586



68.8248, 73.8447, 105.2337



44.8534, 75.4493, 46.6181



14.1430, 15.1985, 22.4381



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.



33.1478, 33.6647, 99.3586



28.2173, 26.6165, 98.2580



22.7677, 12.9045, 95.8986



17.7324, 18.8365, 22.9511



13.3490, 11.6075, 50.9715



1.4086, 1.3479, 4.9992

Inverse Universe

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



49.7763, 28.1801, 36.0742



46.6010, 24.2813, 27.4576



78.1059, 93.2224, 19.6736



18.3776, 18.1343, 20.6055



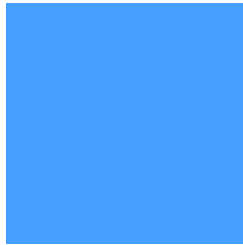
23.5261, 11.8997, 11.4210



2.3456, 1.1806, 1.4014

Previews

White Background



This preview shows how the XYZ color 33.1466, 33.6637, 99.3585 looks on a white background.

Color Contrast Check

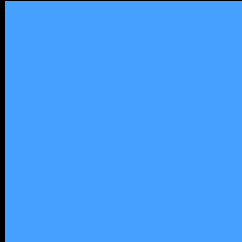
Large Text (above 18pt) WCAG AA × Fail

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 33.1466, 33.6637, 99.3585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

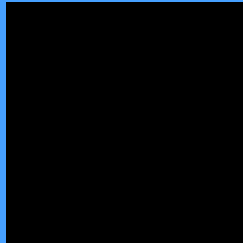
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

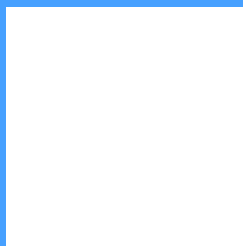
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1466, 33.6637, 99.3585

Background



This preview shows how black text looks on a background with the XYZ color 33.1466, 33.6637, 99.3585.



This preview shows how white text looks on a background with the XYZ color 33.1466, 33.6637,

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

33.1466, 33.6637, 99.3585

Protanopia

35.9423, 33.4817, 93.3752

Deuteranopia

34.7231, 33.7136, 99.2850

Trichromacy



Original Color

33.1466, 33.6637, 99.3585

Protanomaly

34.6679, 33.5087, 95.9074

Deuteranomaly

34.0232, 33.6050, 99.3009

Monochromacy



Original Color

33.1466, 33.6637, 99.3585

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.8942, 29.0553, 49.5382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1466, 33.6637, 99.3585 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(70, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(70, 160, 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(70, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.1466, 33.6637, 99.3585 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(70, 160, 255) }
```

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

```
.border{ border-color:rgb(70, 160, 255) }
```

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

Here you see how a box with a 4 pixel rgb(70, 160, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 160,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 33.1466, 33.6637, 99.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 160, 255) }
```

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

```
.background{ background-color: rgb(70, 160,  
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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