

Converting Colors

XYZ(33.6712, 35.1152, 99.6110)

Have a look what the booklet for
XYZ(33.6712, 35.1152, 99.6110)
contains.

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Color

**XYZ(33.7519, 35.2885,
99.6402)**

Conversions

Conversions Part 1

Format	Color
Hex	42A5FF
RGB	66, 165, 255
RGB Percent	26%, 65%, 100%
CMY	0.7411, 0.3529, 0.0000
CMYK	0.74, 0.35, 0.00, 0.00
HSL	209°, 100%, 63%
HSV	209°, 74%, 100%
XYZ	33.7519, 35.2885, 99.6402
YIQ	145.6590, -87.8940, 7.0020

Conversions

Conversions Part 2

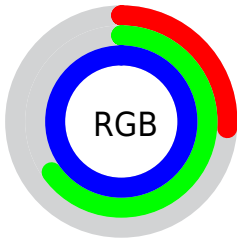
Format	Color
R _{YB}	66, 131, 255
Decimal	4367871
CIE _{Lab}	65.97, 0.74, -52.84
CIE _{LCh}	66, 52.846, 270.803
Yxy	35.2885, 0.2001, 0.2092
Android (android.graphics.Color)	4282557951 (0xFF42A5FF)
YUV	145.6590, 53.9051, -69.8609
Hunter-Lab	59.4041, -2.5381, -57.8659

Details

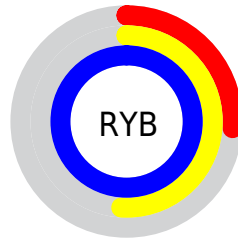
The XYZ color **33.7519, 35.2885, 99.6402** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **54.1143, 45.4346, 11.0740**, and the grayscale version is **26.9967, 28.4026, 30.9305**.

A 20% lighter version of the original color is **53.7965, 63.6406, 104.0562**, and **16.2104, 16.1118, 55.6816** is the 20% darker color. If you saturate the color by 10%, you get **30.3132, 30.4175, 98.8812**, and if you desaturate by 10%, it is **38.1661, 40.9720, 100.5046**.

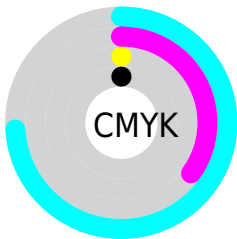
Distribution



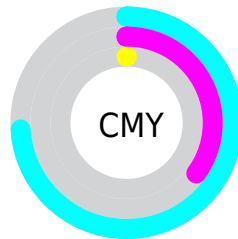
- Red (26%)
- Green (65%)
- Blue (100%)



- Red (26%)
- Yellow (51%)
- Blue (100%)



- Cyan (74%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (74%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7519, 35.2885, 99.6402 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 33.7519, 35.2885, 99.6402 by changing the saturation by 10% instead.

33.7519, 35.2885,
99.6402

33.7519, 35.2885,
99.6402

310.6298,
325.8399, 580.2753

22.8651, 23.8852,
75.3849

64.8945, 67.9325,
162.7102

14.6140, 15.2485,
55.4246

85.8810, 89.9419,
202.3620

8.6335, 8.9940,
39.3409

110.9648,
116.2555, 247.9830

4.5581, 4.7372,
26.7152

140.5111,
147.2577, 299.9917

2.0225, 2.0939,
17.1289

174.8854,
183.3328, 358.8068

0.6465, 0.6612,
10.1635

214.4531,

0.0000, 0.0000,

224.8653, 424.8468

5.4005

259.5794,
272.2395, 498.5301

■ 0.0000, 0.0000,
2.4213

■ 0.0000, 0.0000,
0.7980

■ 33.7519, 35.2885,
99.6402

■ 33.7519, 35.2885,
99.6402

■ 30.3132, 30.4175,
98.8812

■ 38.1661, 40.9720,
100.5046

■ 27.7301, 26.2873,
98.2202

■ 43.6478, 47.5224,
101.4800

■ 26.5150, 24.1501,
97.8717

■ 50.2813, 54.9915,
102.5720

■ 58.1408, 63.4250,
103.7857

■ 67.2937, 72.8653,
105.1254

■ 77.8023, 83.3515,
106.5956

■ 89.7245, 94.9204,
108.2002

■ 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.



26.7218, 35.2885, 89.6645



33.7519, 35.2885, 99.6402



41.8525, 35.2885, 88.6065

Triad

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



33.7519, 35.2885, 99.6402



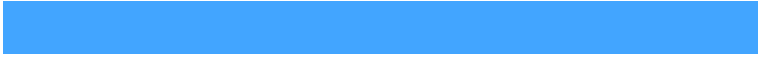
48.1990, 35.2885, 20.3085



22.0439, 35.2885, 20.9997

Complementary

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



33.7519, 35.2885, 99.6402



54.1143, 45.4346, 11.0740

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.



26.4093, 35.2885, 12.0194



33.7519, 35.2885, 99.6402



41.4308, 35.2885, 11.7434

Square

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



33.7519, 35.2885, 99.6402



50.9513, 35.2885, 37.8226



33.3303, 35.2885, 9.4314



20.6309, 35.2885, 39.0301

Rectangle

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



33.7519, 35.2885, 99.6402



46.6077, 35.2885, 72.6065



33.3303, 35.2885, 9.4314



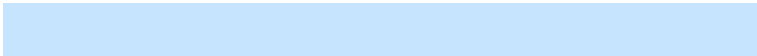
23.1773, 35.2885, 17.1137

Sweetspot

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



33.7531, 35.2896, 99.6403



69.3983, 74.9917, 105.4249



43.8577, 75.0188, 42.8311



14.2781, 15.4688, 22.4832



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.



33.7531, 35.2896, 99.6403



28.9519, 28.3109, 98.5464



22.6354, 13.0541, 95.9344



17.7904, 18.9523, 22.9705



14.0053, 12.9203, 51.1903



1.4731, 1.4769, 5.0207

Inverse Universe

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



49.9807, 27.8747, 38.3442



46.9168, 24.1970, 29.7696



76.0070, 89.2199, 18.3716



18.4068, 18.1460, 20.7595



23.8574, 12.0323, 13.1657



2.3782, 1.1936, 1.5728

Previews

White Background



This preview shows how the XYZ color 33.7519, 35.2885, 99.6402 looks on a white background.

Color Contrast Check

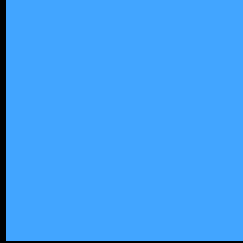
Large Text (above 18pt) WCAG AA × Fail

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 33.7519, 35.2885, 99.6402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

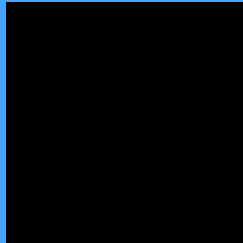
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

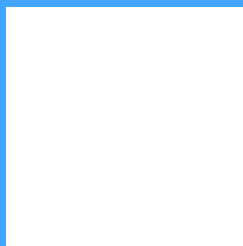
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7519, 35.2885, 99.6402

Background



This preview shows how black text looks on a background with the XYZ color 33.7519, 35.2885, 99.6402.



This preview shows how white text looks on a background with the XYZ color 33.7519, 35.2885,

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

33.7519, 35.2885, 99.6402

Protanopia

37.2812, 34.9280, 92.7725

Deuteranopia

36.2143, 35.2452, 99.5020



Tritanopia

25.1261, 35.2059, 54.7613

Trichromacy



Original Color

33.7519, 35.2885, 99.6402

Protanomaly

35.3624, 34.6415, 95.2652

Deuteranomaly

35.1868, 35.2343, 99.5541

Tritanomaly

27.4579, 34.9364, 68.9145

Monochromacy



Original Color

33.7519, 35.2885, 99.6402

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.5903, 30.1095, 50.8119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7519, 35.2885, 99.6402 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(66, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.7519, 35.2885, 99.6402 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(66, 165, 255) }
```


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

```
.border{ border-color:rgb(66, 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(66, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7519, 35.2885, 99.6402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 165, 255) }
```

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

```
.background{ background-color: rgb(66, 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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