

Converting Colors

XYZ(33.6457, 35.2115, 99.6309)

Have a look what the booklet for
XYZ(33.6457, 35.2115, 99.6309)
contains.

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Color

**XYZ(33.6851, 35.2541,
99.6371)**

Conversions

Conversions Part 1

Format	Color
Hex	41A5FF
RGB	65, 165, 255
RGB Percent	25%, 65%, 100%
CMY	0.7450, 0.3529, 0.0000
CMYK	0.75, 0.35, 0.00, 0.00
HSL	208°, 100%, 63%
HSV	208°, 75%, 100%
XYZ	33.6851, 35.2541, 99.6371
YIQ	145.3600, -88.4900, 6.7900

Conversions

Conversions Part 2

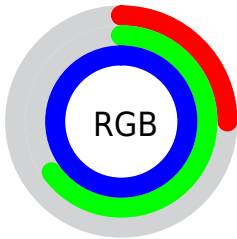
Format	Color
R _{YB}	65, 131, 255
Decimal	4302335
CIE Lab	65.95, 0.62, -52.88
CIE LCh	66, 52.888, 270.673
Yxy	35.2541, 0.1998, 0.2091
Android (android.graphics.Color)	4282492415 (0xFF41A5FF)
YUV	145.3600, 54.0525, -70.4757
Hunter-Lab	59.3752, -2.6388, -57.9316

Details

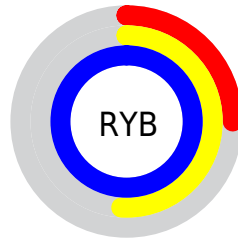
The XYZ color **33.6851, 35.2541, 99.6371** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **53.9179, 45.0885, 10.8643**, and the grayscale version is **26.8748, 28.2744, 30.7908**.

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 **30.2848, 30.4184, 98.8829**, and if you desaturate by 10%, it is **38.0548, 40.8959, 100.4957**.

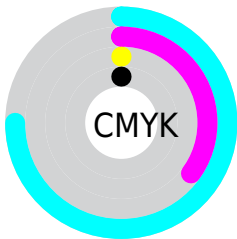
Distribution



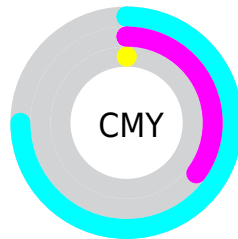
- Red (25%)
- Green (65%)
- Blue (100%)



- Red (25%)
- Yellow (51%)
- Blue (100%)



- Cyan (75%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6851, 35.2541, 99.6371 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 33.6851, 35.2541, 99.6371 by changing the saturation by 10% instead.

■ 33.6851, 35.2541,
99.6371

■ 33.6851, 35.2541,
99.6371

310.3363,
325.6885, 580.2653

■ 22.8135, 23.8587,
75.3823

■ 64.7912, 67.8792,
162.7059

■ 14.5758, 15.2288,
55.4225

■ 85.7565, 89.8777,
202.3570

■ 8.6066, 8.9801,
39.3392

■ 110.8170,
116.1793, 247.9773

■ 4.5405, 4.7282,
26.7139

■ 140.3382,
147.1685, 299.9853

■ 2.0122, 2.0887,
17.1279

174.6854,
183.2296, 358.7995

■ 0.6408, 0.6583,
10.1628

214.2239,

■ 0.0000, 0.0000,

224.7471, 424.8386

5.4000

259.3191,
272.1052, 498.5210

■ 0.0000, 0.0000,
2.4210

■ 0.0000, 0.0000,
0.7979

■ 33.6851, 35.2541,
99.6371

■ 33.6851, 35.2541,
99.6371

■ 30.2848, 30.4184,
98.8829

■ 38.0548, 40.8959,
100.4957

■ 27.7330, 26.3168,
98.2257

■ 43.4865, 47.3984,
101.4646

■ 26.6033, 24.3267,
97.9011

■ 50.0648, 54.8134,
102.5491

■ 57.8641, 63.1867,
103.7542

■ 66.9519, 72.5604,
105.0846

■ 77.3907, 82.9738,
106.5444

■ 89.2384, 94.4636,
108.1377

■ 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.



26.6632, 35.2541, 89.5679



33.6851, 35.2541, 99.6371



41.7879, 35.2541, 88.6799

Triad

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



33.6851, 35.2541, 99.6371



48.1927, 35.2541, 20.3272



22.0238, 35.2541, 20.9067

Complementary

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



33.6851, 35.2541, 99.6371



53.9179, 45.0885, 10.8643

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.



26.4011, 35.2541, 11.9656



33.6851, 35.2541, 99.6371



41.4341, 35.2541, 11.7343

Square

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



33.6851, 35.2541, 99.6371



50.9246, 35.2541, 37.8815



33.3315, 35.2541, 9.4027



20.5982, 35.2541, 38.8944

Rectangle

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



33.6851, 35.2541, 99.6371



46.5518, 35.2541, 72.6980



33.3315, 35.2541, 9.4027



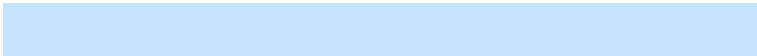
23.1613, 35.2541, 17.0352

Sweetspot

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



33.6863, 35.2552, 99.6372



69.4371, 75.0693, 105.4378



43.7465, 74.9665, 42.5940



14.2873, 15.4871, 22.4862



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.



33.6863, 35.2552, 99.6372



29.0406, 28.4883, 98.5759



22.5062, 12.8950, 95.9105



17.7943, 18.9602, 22.9718



14.0516, 13.0127, 51.2057



1.4776, 1.4859, 5.0222

Inverse Universe

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



49.9228, 27.7588, 38.3249



46.9616, 24.2149, 30.0053



75.9674, 89.1876, 18.2141



18.4088, 18.1468, 20.7699



23.8808, 12.0416, 13.2886



2.3804, 1.1945, 1.5847

Previews

White Background



This preview shows how the XYZ color 33.6851, 35.2541, 99.6371 looks on a white background.

Color Contrast Check

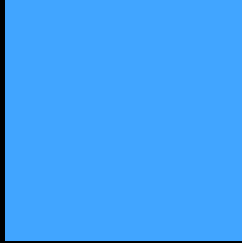
Large Text (above 18pt) WCAG AA × Fail

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 33.6851, 35.2541, 99.6371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

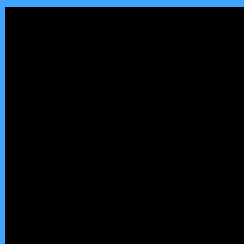
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

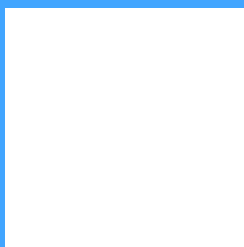
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6851, 35.2541, 99.6371

Background



This preview shows how black text looks on a background with the XYZ color 33.6851, 35.2541, 99.6371.



This preview shows how white text looks on a background with the XYZ color 33.6851, 35.2541,

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

33.6851, 35.2541, 99.6371

Protanopia

37.2812, 34.9280, 92.7725

Deuteranopia

36.2143, 35.2452, 99.5020



Tritanopia

25.1261, 35.2059, 54.7613

Trichromacy



Original Color

33.6851, 35.2541, 99.6371

Protanomaly

35.3624, 34.6415, 95.2652

Deuteranomaly

35.0902, 35.1845, 99.5496

Tritanomaly

27.4579, 34.9364, 68.9145

Monochromacy



Original Color

33.6851, 35.2541, 99.6371

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.1877, 29.6723, 50.1933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6851, 35.2541, 99.6371 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(65, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 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(65, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.6851, 35.2541, 99.6371 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(65, 165, 255) }
```


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

```
.border{ border-color:rgb(65, 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(65, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6851, 35.2541, 99.6371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 165, 255) }
```

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

```
.background{ background-color: rgb(65, 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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