

Converting Colors

XYZ(33.0878, 35.2690, 99.6714)

Have a look what the booklet for
XYZ(33.0878, 35.2690, 99.6714)
contains.

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Color

**XYZ(33.0515, 35.1962,
99.6593)**

Conversions

Conversions Part 1

Format	Color
Hex	33A6FF
RGB	51, 166, 255
RGB Percent	20%, 65%, 100%
CMY	0.7999, 0.3490, 0.0000
CMYK	0.80, 0.35, 0.00, 0.00
HSL	206°, 100%, 60%
HSV	206°, 80%, 100%
XYZ	33.0515, 35.1962, 99.6593
YIQ	141.7610, -97.1090, 3.2990

Conversions

Conversions Part 2

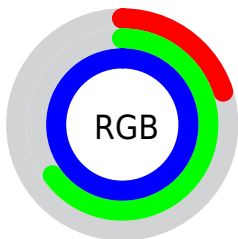
Format	Color
R _Y B	51, 125, 255
Decimal	3385087
CIE Lab	65.90, -1.42, -52.98
CIE LCh	66, 52.995, 268.467
Yxy	35.1962, 0.1968, 0.2096
Android (android.graphics.Color)	4281575167 (0xFF33A6FF)
YUV	141.7610, 55.8268, -79.5974
Hunter-Lab	59.3264, -4.3765, -58.0697

Details

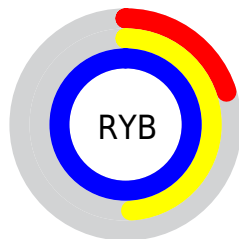
The XYZ color **33.0515, 35.1962, 99.6593** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **51.2189, 40.2609, 8.2059**, and the grayscale version is **25.4336, 26.7582, 29.1396**.

A 20% lighter version of the original color is **52.8085, 63.5221, 104.0854**, and **16.3238, 16.3387, 55.7194** is the 20% darker color. If you saturate the color by 10%, you get **30.1645, 30.8346, 98.9696**, and if you desaturate by 10%, it is **36.8193, 40.2725, 100.4405**.

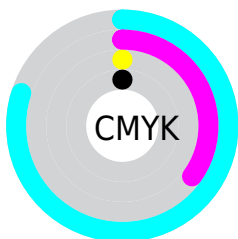
Distribution



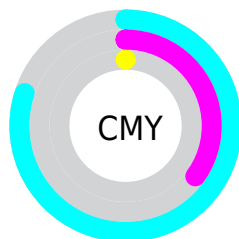
- Red (20%)
- Green (65%)
- Blue (100%)



- Red (20%)
- Yellow (49%)
- Blue (100%)



- Cyan (80%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0515, 35.1962, 99.6593 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 33.0515, 35.1962, 99.6593 by changing the saturation by 10% instead.

■ 33.0515, 35.1962,
99.6593

■ 33.0515, 35.1962,
99.6593

307.5426,
325.4335, 580.3372

■ 22.3253, 23.8140,
75.4007

■ 63.8101, 67.7896,
162.7367

■ 14.2141, 15.1957,
55.4375

■ 84.5732, 89.7696,
202.3926

■ 8.3524, 8.9569,
39.3512

■ 109.4126,
116.0511, 248.0181

■ 4.3750, 4.7131,
26.7231

■ 138.6938,
147.0184, 300.0316

■ 1.9164, 2.0799,
17.1348

172.7820,
183.0559, 358.8517

■ 0.5863, 0.6533,
10.1677

212.0426,

■ 0.0000, 0.0000,

224.5479, 424.8970

5.4032

256.8411,
271.8790, 498.5859

■ 0.0000, 0.0000,
2.4229

■ 0.0000, 0.0000,
0.7989

■ 33.0515, 35.1962,
99.6593

■ 33.0515, 35.1962,
99.6593

■ 30.1645, 30.8346,
98.9696

■ 36.8193, 40.2725,
100.4405

■ 27.9856, 27.0908,
98.3618

■ 41.5692, 46.1207,
101.3190

■ 27.9840, 27.0880,
98.3613

■ 47.3909, 52.7936,
102.3002

■ 54.3622, 60.3373,
103.3888

■ 62.5531, 68.7934,
104.5893

■ 72.0276, 78.2006,
105.9057

■ 82.8449, 88.5947,
107.3418

■ 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.



26.1761, 35.1962, 88.1169



33.0515, 35.1962, 99.6593



41.1601, 35.1962, 90.1431

Triad

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



33.0515, 35.1962, 99.6593



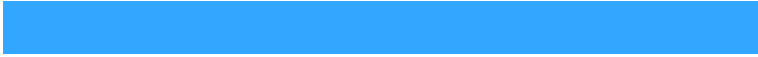
48.5218, 35.1962, 21.2161



22.1848, 35.1962, 19.8965

Complementary

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



33.0515, 35.1962, 99.6593



51.2189, 40.2609, 8.2059

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.



26.7734, 35.1962, 11.5302



33.0515, 35.1962, 99.6593



41.9669, 35.1962, 12.0563

Square

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



33.0515, 35.1962, 99.6593



50.8864, 35.1962, 39.4886



33.8576, 35.1962, 9.3488



20.5396, 35.1962, 37.1799

Rectangle

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



33.0515, 35.1962, 99.6593



46.0456, 35.1962, 74.6410



33.8576, 35.1962, 9.3488



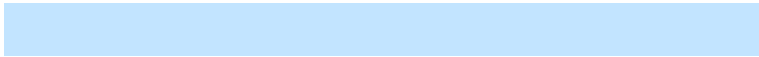
23.3950, 35.1962, 16.2424

Sweetspot

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



33.0527, 35.1973, 99.6594



68.0722, 74.3137, 105.3639



41.8166, 74.1005, 36.6829



13.8558, 15.1947, 22.4525



0.0000, 0.0000, 0.0000



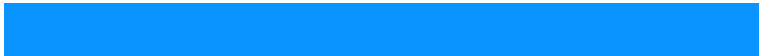
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.0527, 35.1973, 99.6594



28.7976, 28.5256, 98.5959



21.2848, 11.6613, 95.7368



17.8526, 19.0769, 22.9912



14.7736, 14.4567, 51.4464



1.5472, 1.6252, 5.0454

Inverse Universe

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



49.3078, 26.3827, 38.5706



46.7111, 23.6256, 30.1945



73.4122, 84.6477, 15.6037



18.4383, 18.1586, 20.9251



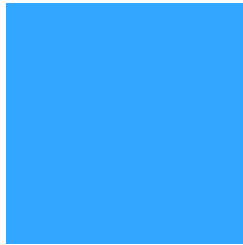
24.2452, 12.1874, 15.2077



2.4156, 1.2086, 1.7698

Previews

White Background



This preview shows how the XYZ color 33.0515, 35.1962, 99.6593 looks on a white background.

Color Contrast Check

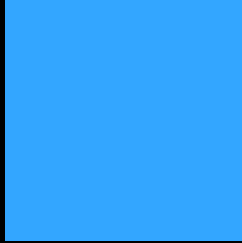
Large Text (above 18pt) WCAG AA × Fail

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 33.0515, 35.1962, 99.6593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

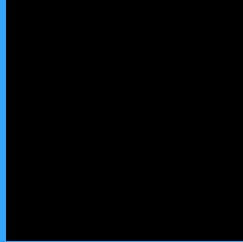
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

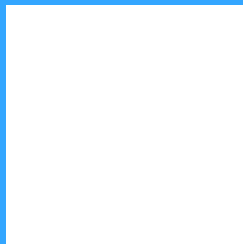
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0515, 35.1962, 99.6593

Background



This preview shows how black text looks on a background with the XYZ color 33.0515, 35.1962, 99.6593.

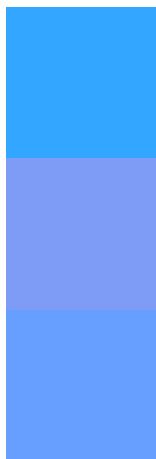


This preview shows how white text looks on a background with the XYZ color 33.0515, 35.1962,

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

33.0515, 35.1962, 99.6593

Protanopia

37.1272, 34.8664, 91.9618

Deuteranopia

35.9276, 34.8411, 99.4391



Tritanopia

25.0164, 35.1620, 54.1836

Trichromacy



Original Color

33.0515, 35.1962, 99.6593

Protanomaly

34.8153, 34.6338, 94.4726

Deuteranomaly

34.5376, 34.8997, 99.5237

Tritanomaly

27.3497, 34.8806, 68.9095

Monochromacy



Original Color

33.0515, 35.1962, 99.6593

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.9205, 28.8033, 48.9932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0515, 35.1962, 99.6593 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(51, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 166, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.0515, 35.1962, 99.6593 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(51, 166, 255) }
```


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

```
.border{ border-color:rgb(51, 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(51, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 166,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0515, 35.1962, 99.6593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 166, 255) }
```

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

```
.background{ background-color: rgb(51, 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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