

Converting Colors

XYZ(32.8793, 35.4519, 95.9937)

Have a look what the booklet for
XYZ(32.8793, 35.4519, 95.9937)
contains.

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Color

**XYZ(32.9762, 35.5020,
96.3813)**

Conversions

Conversions Part 1

Format	Color
Hex	3AA7FB
RGB	58, 167, 251
RGB Percent	23%, 65%, 98%
CMY	0.7725, 0.3451, 0.0157
CMYK	0.77, 0.33, 0.00, 0.02
HSL	206°, 96%, 61%
HSV	206°, 77%, 98%
XYZ	32.9762, 35.5020, 96.3813
YIQ	143.9850, -91.9280, 3.0160

Conversions

Conversions Part 2

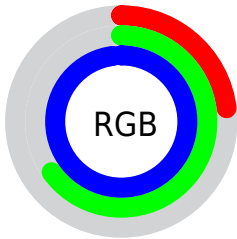
Format	Color
R _Y B	58, 128, 251
Decimal	3844091
CIE Lab	66.14, -2.70, -50.42
CIE LCh	66, 50.488, 266.929
Yxy	35.5020, 0.2000, 0.2153
Android (android.graphics.Color)	4282034171 (0xFF3AA7FB)
YUV	143.9850, 52.7584, -75.4088
Hunter-Lab	59.5836, -5.4813, -54.1980

Details

The XYZ color **32.9762, 35.5020, 96.3813** 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 **50.2232, 40.1653, 9.1106**, and the grayscale version is **26.3264, 27.6974, 30.1624**.

A 20% lighter version of the original color is **53.5313, 64.2878, 104.1951**, and **15.9830, 16.3858, 53.3593** is the 20% darker color. If you saturate the color by 10%, you get **29.9385, 31.0897, 95.6905**, and if you desaturate by 10%, it is **36.8960, 40.6210, 97.1635**.

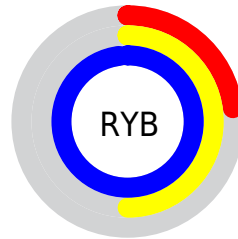
Distribution



Red (23%)

Green (65%)

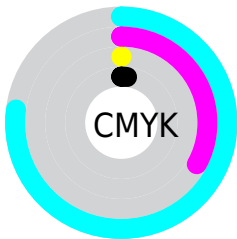
Blue (98%)



Red (23%)

Yellow (50%)

Blue (98%)

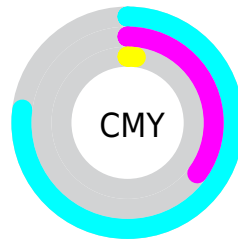


Cyan (77%)

Magenta (33%)

Yellow (0%)

Black (2%)



Cyan (77%)

Magenta (35%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9762, 35.5020, 96.3813 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 32.9762, 35.5020, 96.3813 by changing the saturation by 10% instead.

■ 32.9762, 35.5020,
96.3813

■ 32.9762, 35.5020,
96.3813

307.2094,
326.7786, 569.6746

■ 22.2674, 24.0498,
72.6819

■ 63.6933, 68.2627,
158.1835

■ 14.1712, 15.3706,
53.2257

■ 84.4323, 90.3401,
197.1234

■ 8.3223, 9.0799,
37.5940

■ 109.2453,
116.7279, 241.9806

■ 4.3554, 4.7933,
25.3684

■ 138.4978,
147.8107, 293.1736

■ 1.9051, 2.1265,
16.1302

172.5551,
183.9727, 351.1210

■ 0.5798, 0.6795,
9.4610

211.7826,

■ 0.0000, 0.0000,

225.5985, 416.2412

4.9422

256.5455,
273.0723, 488.9529

■ 0.0000, 0.0000,
2.1552

■ 0.0000, 0.0000,
0.6484

■ 32.9762, 35.5020,
96.3813

■ 32.9762, 35.5020,
96.3813

■ 29.9385, 31.0897,
95.6905

■ 36.8960, 40.6210,
97.1635

■ 27.6591, 27.3127,
95.0816

■ 41.7891, 46.4983,
98.0401

■ 27.0486, 26.2368,
94.9061

■ 47.7381, 53.1827,
99.0167

■ 54.8155, 60.7171,
100.0980

■ 63.0864, 69.1404,
101.2880

■ 72.6109, 78.4891,
102.5904

■ 83.4448, 88.7967,
104.0090

■ 94.2224, 99.3644,
105.4807

■ 94.4127, 99.7451,
105.5442

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.4633, 35.5020, 84.6831



32.9762, 35.5020, 96.3813



40.7129, 35.5020, 88.4739

Triad

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



32.9762, 35.5020, 96.3813



48.3200, 35.5020, 22.7919



23.0343, 35.5020, 20.1998

Complementary

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



32.9762, 35.5020, 96.3813



50.2232, 40.1653, 9.1106

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.



27.6188, 35.5020, 12.2700



32.9762, 35.5020, 96.3813



42.2498, 35.5020, 13.3296

Square

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



32.9762, 35.5020, 96.3813



50.3091, 35.5020, 40.9128



34.5228, 35.5020, 10.3245



21.2836, 35.5020, 36.4831

Rectangle

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



32.9762, 35.5020, 96.3813



45.4260, 35.5020, 74.3208



34.5228, 35.5020, 10.3245



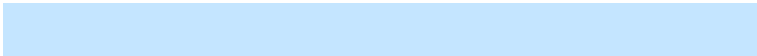
24.2583, 35.5020, 16.7381

Sweetspot

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



32.9776, 35.5032, 96.3822



69.0562, 75.3029, 105.5030



41.0989, 71.8372, 37.1504



14.0470, 15.3902, 22.4802



0.0000, 0.0000, 0.0000



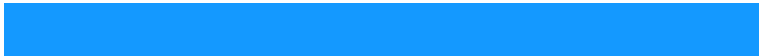
20.3446, 21.4041, 23.3091

Same Dimension

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



32.9776, 35.5032, 96.3822



29.7196, 30.1187, 98.8548



21.4042, 12.3564, 92.5244



17.0965, 18.2698, 22.0106



14.3654, 14.0863, 49.9353



1.4359, 1.5155, 4.6600

Inverse Universe

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



48.2730, 26.3271, 39.0974



47.2378, 24.0707, 32.2448



71.1620, 82.0429, 16.0902



17.6552, 17.3895, 20.0402



23.5430, 11.8329, 14.8337



2.2337, 1.1172, 1.6541

Previews

White Background



This preview shows how the XYZ color 32.9762, 35.5020, 96.3813 looks on a white background.

Color Contrast Check

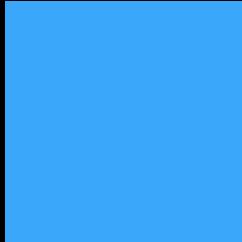
Large Text (above 18pt) WCAG AA × Fail

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 32.9762, 35.5020, 96.3813 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

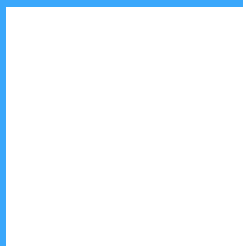
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9762, 35.5020, 96.3813

Background



This preview shows how black text looks on a background with the XYZ color 32.9762, 35.5020, 96.3813.



This preview shows how white text looks on a background with the XYZ color 32.9762, 35.5020,

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

32.9762, 35.5020, 96.3813

Protanopia

37.2899, 35.2706, 88.8469

Deuteranopia

36.4848, 35.4216, 97.8426



Tritanopia

25.1261, 35.2059, 54.7613

Trichromacy



Original Color

32.9762, 35.5020, 96.3813

Protanomaly

34.9352, 35.0254, 91.3055

Deuteranomaly

34.8843, 35.3963, 97.0890

Tritanomaly

27.2631, 34.8507, 68.2407

Monochromacy



Original Color

32.9762, 35.5020, 96.3813

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.5855, 29.3861, 49.0706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9762, 35.5020, 96.3813 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(58, 167, 251)` looks like.

```
.text, #text, p{  
    color:rgb(58, 167, 251)  
}
```

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(58, 167, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 167, 251) }
```

Border

The CSS property to change the border of an element to XYZ 32.9762, 35.5020, 96.3813 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(58, 167, 251) }
```


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

```
.border{ border-color:rgb(58, 167, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 167, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 167, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 167, 251);  
box-shadow:4px 4px 4px 4px rgb(58, 167,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9762, 35.5020, 96.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 167, 251) }
```

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

```
.background{ background-color: rgb(58, 167,  
251) }
```

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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