

Converting Colors

XYZ(32.1596, 33.7168, 99.4208)

Have a look what the booklet for
XYZ(32.1596, 33.7168, 99.4208)
contains.

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Color

**XYZ(32.1426, 33.6650,
99.4116)**

Conversions

Conversions Part 1

Format	Color
Hex	2FA2FF
RGB	47, 162, 255
RGB Percent	18%, 64%, 100%
CMY	0.8156, 0.3647, 0.0000
CMYK	0.82, 0.36, 0.00, 0.00
HSL	207°, 100%, 59%
HSV	207°, 82%, 100%
XYZ	32.1426, 33.6650, 99.4116
YIQ	138.2170, -98.3930, 4.5430

Conversions

Conversions Part 2

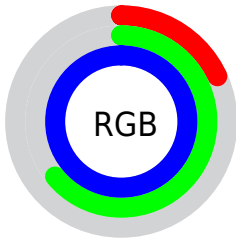
Format	Color
RYB	47, 121, 255
Decimal	3121919
CIELab	64.70, 0.52, -54.89
CIElCh	65, 54.896, 270.548
Yxy	33.6650, 0.1945, 0.2038
Android (android.graphics.Color)	4281311999 (0xFF2FA2FF)
YUV	138.2170, 57.5740, -79.9973
Hunter-Lab	58.0215, -2.6528, -60.9698

Details

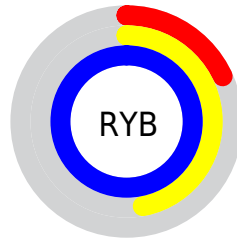
The XYZ color **32.1426, 33.6650, 99.4116** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **51.1343, 40.2270, 7.7610**, and the grayscale version is **24.0569, 25.3098, 27.5623**.

A 20% lighter version of the original color is **51.2101, 60.7674, 103.6380**, and **15.8775, 15.4461, 55.5706** is the 20% darker color. If you saturate the color by 10%, you get **29.3726, 29.3896, 98.7324**, and if you desaturate by 10%, it is **35.7826, 38.6601, 100.1839**.

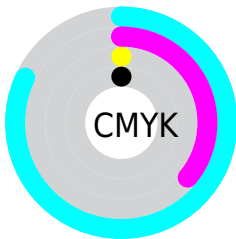
Distribution



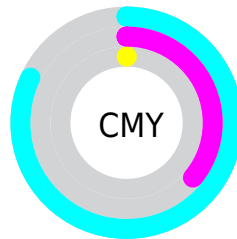
- Red (18%)
- Green (64%)
- Blue (100%)



- Red (18%)
- Yellow (47%)
- Blue (100%)



- Cyan (82%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1426, 33.6650, 99.4116 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 32.1426, 33.6650, 99.4116 by changing the saturation by 10% instead.

■ 32.1426, 33.6650,
99.4116

■ 32.1426, 33.6650,
99.4116

303.5021,
318.6357, 579.5351

■ 21.6265, 22.6364,
75.1951

■ 62.3983, 65.4124,
162.3932

■ 13.6978, 14.3252,
55.2700

■ 82.8685, 86.8999,
201.9953

■ 7.9911, 8.3472,
39.2179

■ 107.3876,
112.6425, 247.5631

■ 4.1410, 4.3179,
26.6202

■ 136.3208,
143.0246, 299.5150

■ 1.7822, 1.8529,
17.0582

170.0335,
178.4306, 358.2696

■ 0.5069, 0.5199,
10.1136

208.8910,

■ 0.0000, 0.0000,

219.2448, 424.2455

5.3678

253.2588,
265.8517, 497.8611

■ 0.0000, 0.0000,
2.4021

■ 0.0000, 0.0000,
0.7876

■ 32.1426, 33.6650,
99.4116

■ 32.1426, 33.6650,
99.4116

■ 29.3726, 29.3896,
98.7324

■ 35.7826, 38.6601,
100.1839

■ 27.5714, 26.2628,
98.2238

■ 40.3976, 44.4347,
101.0553

■ 46.0800, 51.0434,
102.0314

■ 52.9092, 58.5337,
103.1173

60.9566, 66.9485,
104.3173

70.2874, 76.3274,
105.6359

80.9617, 86.7072,
107.0768

93.0358, 98.1227,
108.6438

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.



25.1114, 33.6650, 88.9041



32.1426, 33.6650, 99.4116



40.3319, 33.6650, 88.1576

Triad

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



32.1426, 33.6650, 99.4116



46.8987, 33.6650, 18.7297



20.5353, 33.6650, 19.1926

Complementary

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



32.1426, 33.6650, 99.4116



51.1343, 40.2270, 7.7610

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.



24.8986, 33.6650, 10.5478



32.1426, 33.6650, 99.4116



40.0399, 33.6650, 10.3681

Square

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



32.1426, 33.6650, 99.4116



49.6636, 33.6650, 36.2423



31.8530, 33.6650, 8.1355



19.1132, 33.6650, 37.0717

Rectangle

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



32.1426, 33.6650, 99.4116



45.1793, 33.6650, 71.7165



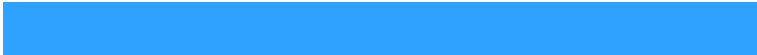
31.8530, 33.6650, 8.1355



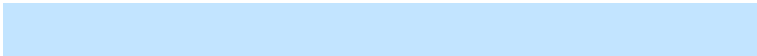
21.6671, 33.6650, 15.4195

Sweetspot

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



32.1438, 33.6660, 99.4118



67.8897, 73.9487, 105.3031



41.4590, 73.9351, 35.8072



13.8119, 15.1070, 22.4379



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.



32.1438, 33.6660, 99.4118



27.9749, 26.9751, 98.3400



20.8858, 11.1501, 95.6591



17.8357, 19.0430, 22.9856



14.5580, 14.0256, 51.3745



1.5266, 1.5838, 5.0385

Inverse Universe

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



48.7790, 25.9033, 36.6120



46.2728, 23.3617, 28.1592



73.2487, 84.4558, 15.1324



18.4297, 18.1552, 20.8800



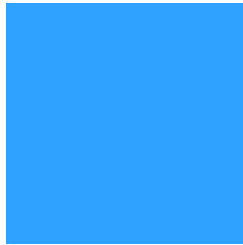
24.1364, 12.1439, 14.6347



2.4051, 1.2044, 1.7149

Previews

White Background



This preview shows how the XYZ color 32.1426, 33.6650, 99.4116 looks on a white background.

Color Contrast Check

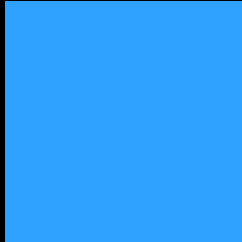
Large Text (above 18pt) WCAG AA × Fail

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 32.1426, 33.6650, 99.4116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

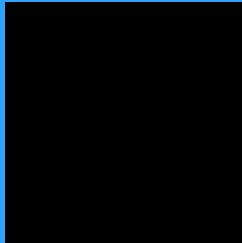
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

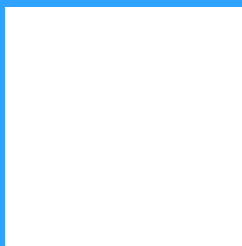
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1426, 33.6650, 99.4116

Background



This preview shows how black text looks on a background with the XYZ color 32.1426, 33.6650, 99.4116.



This preview shows how white text looks on a background with the XYZ color 32.1426, 33.6650,

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

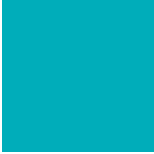
32.1426, 33.6650, 99.4116

Protanopia

35.9255, 33.4909, 92.5666

Deuteranopia

34.6212, 33.6611, 99.2803



Tritanopia

23.8065, 33.4323, 51.6527

Trichromacy



Original Color

32.1426, 33.6650, 99.4116

Protanomaly

33.6580, 33.0062, 95.0394

Deuteranomaly

33.4286, 33.5528, 99.3222

Tritanomaly

26.1770, 33.1983, 66.6562

Monochromacy



Original Color

32.1426, 33.6650, 99.4116

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.5999, 27.2069, 47.6710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1426, 33.6650, 99.4116 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(47, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(47, 162, 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(47, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 162, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.1426, 33.6650, 99.4116 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(47, 162, 255) }
```


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

```
.border{ border-color:rgb(47, 162, 255) }
```

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

Here you see how a box with a 4 pixel rgb(47, 162, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(47, 162,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1426, 33.6650, 99.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 162, 255) }
```

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

```
.background{ background-color: rgb(47, 162,  
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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