

Converting Colors

XYZ(32.0875, 34.7729, 96.2874)

Have a look what the booklet for
XYZ(32.0875, 34.7729, 96.2874)
contains.

XYZ(32.0875, 34.7729, 96.2874)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.0875, 34.7729,
96.2874)**

Conversions

Conversions Part 1

Format	Color
Hex	2CA6FB
RGB	44, 166, 251
RGB Percent	17%, 65%, 98%
CMY	0.8274, 0.3490, 0.0157
CMYK	0.82, 0.34, 0.00, 0.02
HSL	205°, 96%, 58%
HSV	205°, 82%, 98%
XYZ	32.0875, 34.7729, 96.2874
YIQ	139.2120, -99.9970, 0.5710

Conversions

Conversions Part 2

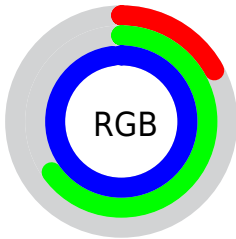
Format	Color
R_{YB}	44, 121, 251
Decimal	2926331
CIE Lab	65.57, -3.45, -51.33
CIE LCh	66, 51.445, 266.156
Yxy	34.7729, 0.1967, 0.2131
Android (android.graphics.Color)	4281116411 (0xFF2CA6FB)
YUV	139.2120, 55.1115, -83.5009
Hunter-Lab	58.9686, -6.0649, -55.5343

Details

The XYZ color **32.0875, 34.7729, 96.2874** 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 **48.0920, 36.3975, 6.8757**, and the grayscale version is **24.4470, 25.7202, 28.0093**.

A 20% lighter version of the original color is **52.0748, 63.1439, 104.0511**, and **15.8683, 16.1565, 53.3211** is the 20% darker color. If you saturate the color by 10%, you get **29.5169, 30.7770, 95.6524**, and if you desaturate by 10%, it is **35.4617, 39.4068, 97.0048**.

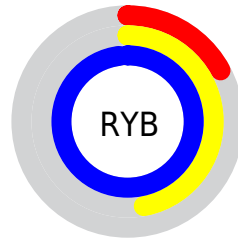
Distribution



Red (17%)

Green (65%)

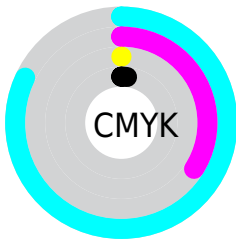
Blue (98%)



Red (17%)

Yellow (47%)

Blue (98%)

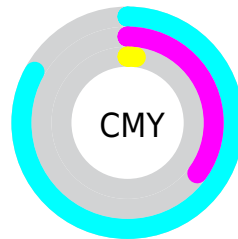


Cyan (82%)

Magenta (34%)

Yellow (0%)

Black (2%)



Cyan (83%)

Magenta (35%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0875, 34.7729, 96.2874 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 32.0875, 34.7729, 96.2874 by changing the saturation by 10% instead.

■ 32.0875, 34.7729,
96.2874

■ 32.0875, 34.7729,
96.2874

303.2559,
323.5648, 569.3676

■ 21.5842, 23.4880,
72.6041

■ 62.3125, 67.1338,
158.0528

■ 13.6666, 14.9542,
53.1625

■ 82.7649, 88.9786,
196.9721

■ 7.9693, 8.7873,
37.5439

■ 107.2645,
115.1121, 241.8072

■ 4.1269, 4.6027,
25.3298

■ 136.1764,
145.9188, 292.9765

■ 1.7742, 2.0161,
16.1017

■ 169.8662,
181.7830, 350.8986

■ 0.5021, 0.6168,
9.4410

208.6991,

■ 0.0000, 0.0000,

223.0891, 415.9922

4.9292

253.0406,
270.2216, 488.6757

■ 0.0000, 0.0000,
2.1478

■ 0.0000, 0.0000,
0.6440

■ 32.0875, 34.7729,
96.2874

■ 32.0875, 34.7729,
96.2874

■ 29.5169, 30.7770,
95.6524

■ 35.4617, 39.4068,
97.0048

■ 27.9906, 28.1208,
95.2201

■ 39.7408, 44.7349,
97.8076

■ 45.0139, 50.8082,
98.7020

■ 51.3574, 57.6709,
99.6923

■ 58.8395, 65.3627,
100.7826

■ 67.5225, 73.9202,
101.9767

■ 77.4639, 83.3773,
103.2782

■ 88.7171, 93.7659,
104.6902

■ 94.4127, 99.7451,
105.5441

Harmonies

Analogous

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



25.6114, 34.7729, 83.9160



32.0875, 34.7729, 96.2874



39.8671, 34.7729, 88.7407

Triad

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



32.0875, 34.7729, 96.2874



47.8577, 34.7729, 22.3410



22.4062, 34.7729, 19.1159

Complementary

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



32.0875, 34.7729, 96.2874



48.0920, 36.3975, 6.8757

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.



27.0590, 34.7729, 11.4726



32.0875, 34.7729, 96.2874



41.8067, 34.7729, 12.7756

Square

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



32.0875, 34.7729, 96.2874



49.7415, 34.7729, 40.7161



34.0328, 34.7729, 9.6958



20.5860, 34.7729, 35.1441

Rectangle

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



32.0875, 34.7729, 96.2874



44.6569, 34.7729, 74.5509



34.0328, 34.7729, 9.6958



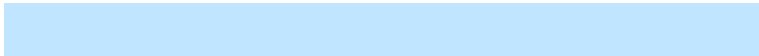
23.6527, 34.7729, 15.7577

Sweetspot

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



32.0889, 34.7740, 96.2883



67.5683, 74.2679, 105.3816



39.3557, 71.0583, 31.6563



13.7785, 15.2241, 22.4623



0.0000, 0.0000, 0.0000



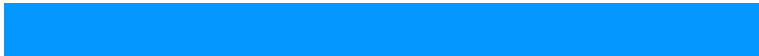
20.3446, 21.4041, 23.3091

Same Dimension

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



32.0889, 34.7740, 96.2883



29.2013, 29.4752, 98.7579



20.3266, 11.2495, 92.3676



17.1333, 18.3434, 22.0229



14.8598, 15.0753, 50.1002



1.4806, 1.6049, 4.6749

Inverse Universe

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



47.5685, 25.0656, 38.4081



46.8802, 23.5604, 31.4944



68.6202, 77.4538, 13.7184



17.6738, 17.3969, 20.1381



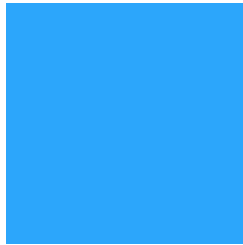
23.7926, 11.9328, 16.1481



2.2563, 1.1262, 1.7729

Previews

White Background



This preview shows how the XYZ color 32.0875, 34.7729, 96.2874 looks on a white background.

Color Contrast Check

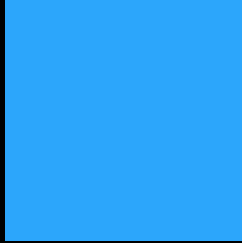
Large Text (above 18pt) WCAG AA × Fail

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 32.0875, 34.7729, 96.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

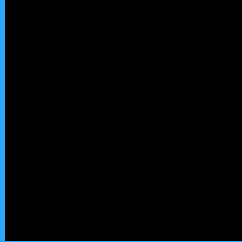
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

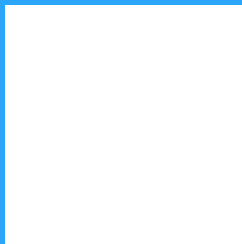
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0875, 34.7729, 96.2874

Background



This preview shows how black text looks on a background with the XYZ color 32.0875, 34.7729, 96.2874.



This preview shows how white text looks on a background with the XYZ color 32.0875, 34.7729,

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

32.0875, 34.7729, 96.2874

Protanopia

36.5008, 34.3655, 88.7138

Deuteranopia

35.5500, 34.4291, 97.7003



Tritanopia

24.7106, 34.7248, 53.5443

Trichromacy



Original Color

32.0875, 34.7729, 96.2874

Protanomaly

33.8093, 33.9302, 91.1534

Deuteranomaly

33.7952, 34.3119, 96.9371

Tritanomaly

26.8499, 34.3687, 67.5060

Monochromacy



Original Color

32.0875, 34.7729, 96.2874

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.6946, 27.7332, 47.2315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0875, 34.7729, 96.2874 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(44, 166, 251)` looks like.

```
.text, #text, p{  
    color:rgb(44, 166, 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(44, 166, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 166, 251) }
```

Border

The CSS property to change the border of an element to XYZ 32.0875, 34.7729, 96.2874 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(44, 166, 251) }
```


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

```
.border{ border-color:rgb(44, 166, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 166, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 166, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 166, 251);  
box-shadow:4px 4px 4px 4px rgb(44, 166,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0875, 34.7729, 96.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 166, 251) }
```

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

```
.background{ background-color: rgb(44, 166,  
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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