

Converting Colors

XYZ(32.4311, 35.6160, 99.7730)

Have a look what the booklet for
XYZ(32.4311, 35.6160, 99.7730)
contains.

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Color

**XYZ(32.4874, 35.7245,
99.7910)**

Conversions

Conversions Part 1

Format	Color
Hex	12A9FF
RGB	18, 169, 255
RGB Percent	7%, 66%, 100%
CMY	0.9292, 0.3372, 0.0000
CMYK	0.93, 0.34, 0.00, 0.00
HSL	202°, 100%, 54%
HSV	202°, 93%, 100%
XYZ	32.4874, 35.7245, 99.7910
YIQ	133.6550, -117.6020, -5.2660

Conversions

Conversions Part 2

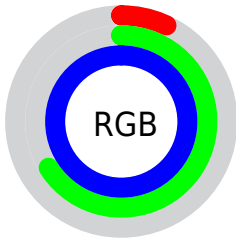
Format	Color
R _Y B	18, 110, 255
Decimal	1223167
CIE Lab	66.31, -5.19, -52.36
CIE LCh	66, 52.615, 264.342
Yxy	35.7245, 0.1934, 0.2126
Android (android.graphics.Color)	4279413247 (0xFF12A9FF)
YUV	133.6550, 59.8231, -101.4294
Hunter-Lab	59.7700, -7.5755, -57.1507

Details

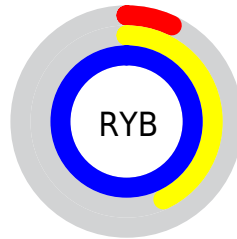
The XYZ color **32.4874, 35.7245, 99.7910** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **46.3048, 31.2143, 4.1589**, and the grayscale version is **22.3581, 23.5225, 25.6160**.

A 20% lighter version of the original color is **51.7759, 64.1761, 104.2661**, and **16.5543, 16.7998, 55.7963** is the 20% darker color. If you saturate the color by 10%, you get **31.0498, 33.2196, 99.3833**, and if you desaturate by 10%, it is **35.0410, 39.6885, 100.4215**.

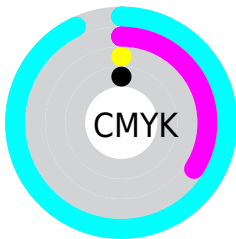
Distribution



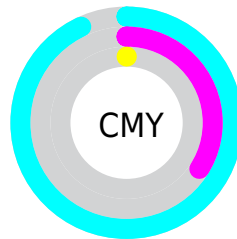
- Red (7%)
- Green (66%)
- Blue (100%)



- Red (7%)
- Yellow (43%)
- Blue (100%)



- Cyan (93%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (93%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4874, 35.7245, 99.7910 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 32.4874, 35.7245, 99.7910 by changing the saturation by 10% instead.


 32.4874, 35.7245,
99.7910


 32.4874, 35.7245,
99.7910


305.0396,
327.7548, 580.7633


 21.8914, 24.2215,
75.5101


 62.9345, 68.6066,
162.9193


 13.8933, 15.4980,
55.5266


 83.5162, 90.7545,
202.6038


 8.1277, 9.1696,
39.4221


 108.1573,
117.2195, 248.2599

 4.2293, 4.8520,
26.7779

 137.2230,
148.3860, 300.3061

 1.8326, 2.1607,
17.1755

 171.0787,
184.6384, 359.1610

 0.5372, 0.6984,
10.1964

210.0898,

 0.0000, 0.0000,

226.3611, 425.2432

5.4221

254.6217,
273.9384, 498.9711

■ 0.0000, 0.0000,
2.4339

■ 0.0000, 0.0000,
0.8048

■ 32.4874, 35.7245,
99.7910

■ 32.4874, 35.7245,
99.7910

■ 31.0498, 33.2196,
99.3833

■ 35.0410, 39.6885,
100.4215

■ 38.3869, 44.2451,
101.1247

■ 42.6360, 49.4554,
101.9064

■ 47.8792, 55.3696,
102.7716

■ 54.1952, 62.0316,
103.7247

■ 61.6543, 69.4810,
104.7694

■ 70.3204, 77.7538,
105.9094

■ 80.2526, 86.8835,
107.1482

■ 91.5057, 96.9014,
108.4887

Harmonies

Analogous

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



25.8880, 35.7245, 85.7048



32.4874, 35.7245, 99.7910



40.5703, 35.7245, 93.1318

Triad

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



32.4874, 35.7245, 99.7910



49.6625, 35.7245, 23.6511



23.1001, 35.7245, 18.7351

Complementary

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



32.4874, 35.7245, 99.7910



46.3048, 31.2143, 4.1589

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.



28.1011, 35.7245, 11.2953



32.4874, 35.7245, 99.7910



43.5448, 35.7245, 13.2708

Square

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



32.4874, 35.7245, 99.7910



51.3162, 35.7245, 43.3211



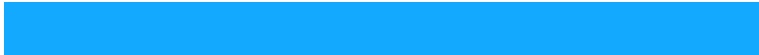
35.4663, 35.7245, 9.7749



21.0312, 35.7245, 34.7866

Rectangle

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



32.4874, 35.7245, 99.7910



45.6463, 35.7245, 78.7700



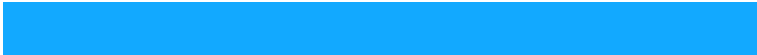
35.4663, 35.7245, 9.7749



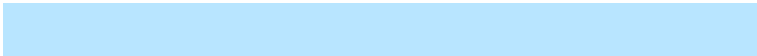
24.4528, 35.7245, 15.4350

Sweetspot

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



32.4886, 35.7256, 99.7911



65.7646, 73.4473, 105.3183



38.3585, 72.5883, 24.2968



13.3015, 14.9740, 22.4392



0.0000, 0.0000, 0.0000



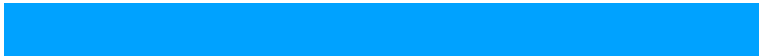
20.3446, 21.4041, 23.3091

Same Dimension

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



32.4886, 35.7256, 99.7911



31.0498, 33.2196, 99.3833



19.6007, 9.9497, 95.4952



17.9680, 19.3076, 23.0297



16.3711, 17.6518, 51.9789



1.6979, 1.9265, 5.0956

Inverse Universe

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



48.6187, 24.5589, 39.7147



47.8017, 23.8847, 36.4834



66.8007, 72.2060, 10.9908



18.4965, 18.1819, 21.2317



25.0516, 12.5099, 19.4540



2.4916, 1.2390, 2.1704

Previews

White Background



This preview shows how the XYZ color 32.4874, 35.7245, 99.7910 looks on a white background.

Color Contrast Check

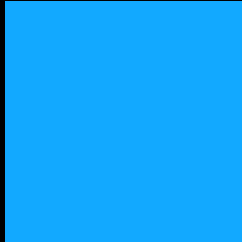
Large Text (above 18pt) WCAG AA × Fail

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 32.4874, 35.7245, 99.7910 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

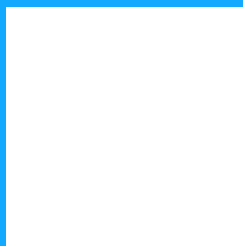
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4874, 35.7245, 99.7910

Background



This preview shows how black text looks on a background with the XYZ color 32.4874, 35.7245, 99.7910.



This preview shows how white text looks on a background with the XYZ color 32.4874, 35.7245,

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

32.4874, 35.7245, 99.7910

Protanopia

37.5917, 35.3736, 91.2327

Deuteranopia

36.4465, 35.3649, 99.5129



Tritanopia

25.3244, 35.6024, 54.8274

Trichromacy



Original Color

32.4874, 35.7245, 99.7910

Protanomaly

33.9636, 34.4531, 94.4826

Deuteranomaly

33.8948, 34.8309, 99.5443

Tritanomaly

27.5552, 35.5602, 69.0298

Monochromacy



Original Color

32.4874, 35.7245, 99.7910

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8832, 26.3571, 46.0008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4874, 35.7245, 99.7910 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(18, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(18, 169, 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(18, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.4874, 35.7245, 99.7910 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(18, 169, 255) }
```


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

```
.border{ border-color:rgb(18, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(18, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4874, 35.7245, 99.7910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 169, 255) }
```

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

```
.background{ background-color: rgb(18, 169,  
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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