

Converting Colors

XYZ(32.7223, 34.5321, 99.5485)

Have a look what the booklet for
XYZ(32.7223, 34.5321, 99.5485)
contains.

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Color

**XYZ(32.6907, 34.4747,
99.5390)**

Conversions

Conversions Part 1

Format	Color
Hex	33A4FF
RGB	51, 164, 255
RGB Percent	20%, 64%, 100%
CMY	0.7999, 0.3569, 0.0000
CMYK	0.80, 0.36, 0.00, 0.00
HSL	207°, 100%, 60%
HSV	207°, 80%, 100%
XYZ	32.6907, 34.4747, 99.5390
YIQ	140.5870, -96.5590, 4.3450

Conversions

Conversions Part 2

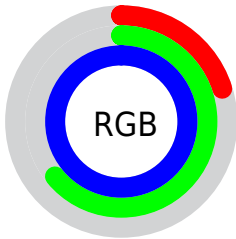
Format	Color
R _Y B	51, 124, 255
Decimal	3384575
CIE Lab	65.34, -0.27, -53.87
CIE LCh	65, 53.870, 269.710
Yxy	34.4747, 0.1961, 0.2068
Android (android.graphics.Color)	4281574655 (0xFF33A4FF)
YUV	140.5870, 56.4056, -78.5678
Hunter-Lab	58.7152, -3.3685, -59.4129

Details

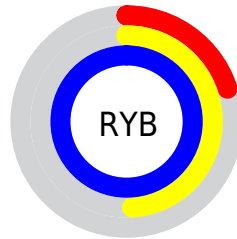
The XYZ color **32.6907, 34.4747, 99.5390** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **51.5136, 40.8505, 8.3041**, and the grayscale version is **24.9722, 26.2727, 28.6110**.

A 20% lighter version of the original color is **52.2836, 62.4722, 103.9105**, and **16.0982, 15.8875, 55.6442** is the 20% darker color. If you saturate the color by 10%, you get **29.7939, 30.0934, 98.8460**, and if you desaturate by 10%, it is **36.4754, 39.5849, 100.3259**.

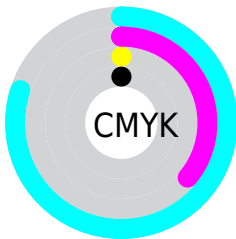
Distribution



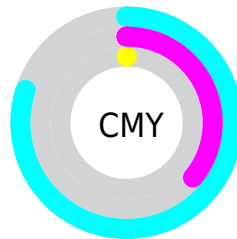
- Red (20%)
- Green (64%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6907, 34.4747, 99.5390 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 32.6907, 34.4747, 99.5390 by changing the saturation by 10% instead.

■ 32.6907, 34.4747,
99.5390

■ 32.6907, 34.4747,
99.5390

305.9434,
322.2436, 579.9477

■ 22.0477, 23.2585,
75.3009

■ 63.2502, 66.6712,
162.5699

■ 14.0088, 14.7845,
55.3562

■ 83.8975, 88.4203,
202.1997

■ 8.2085, 8.6683,
39.2864

■ 108.6103,
114.4491, 247.7971

■ 4.2816, 4.5255,
26.6731

■ 137.7538,
145.1421, 299.7807

■ 1.8626, 1.9716,
17.0976

171.6935,
180.8837, 358.5690

■ 0.5550, 0.5909,
10.1414

210.7948,

■ 0.0000, 0.0000,

222.0582, 424.5806

5.3860

255.4230,
269.0500, 498.2340

■ 0.0000, 0.0000,
2.4128

■ 0.0000, 0.0000,
0.7934

■ 32.6907, 34.4747,
99.5390

■ 32.6907, 34.4747,
99.5390

■ 29.7939, 30.0934,
98.8460

■ 36.4754, 39.5849,
100.3259

■ 27.6120, 26.3436,
98.2373

■ 41.2497, 45.4819,
101.2125

■ 27.6105, 26.3409,
98.2368

■ 47.1035, 52.2192,
102.2044

■ 54.1151, 59.8433,
103.3065

■ 62.3545, 68.3966,
104.5232

■ 71.8861, 77.9180,
105.8586

■ 82.7693, 88.4441,
107.3167

■ 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.



25.7239, 34.4747, 88.6492



32.6907, 34.4747, 99.5390



40.8376, 34.4747, 89.0385

Triad

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



32.6907, 34.4747, 99.5390



47.7148, 34.4747, 19.9206



21.3786, 34.4747, 19.6728

Complementary

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



32.6907, 34.4747, 99.5390



51.5136, 40.8505, 8.3041

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.



25.8369, 34.4747, 11.1067



32.6907, 34.4747, 99.5390



40.9913, 34.4747, 11.2043

Square

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



32.6907, 34.4747, 99.5390



50.3112, 34.4747, 37.7567



32.8438, 34.4747, 8.7685



19.8648, 34.4747, 37.3183

Rectangle

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



32.6907, 34.4747, 99.5390



45.6917, 34.4747, 73.0346



32.8438, 34.4747, 8.7685



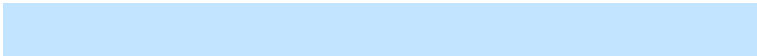
22.5434, 34.4747, 15.9371

Sweetspot

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



32.6919, 34.4757, 99.5392



67.9072, 73.9836, 105.3089



41.8165, 74.1004, 36.6827



13.8161, 15.1154, 22.4393



0.0000, 0.0000, 0.0000



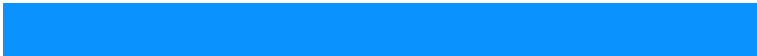
20.3446, 21.4041, 23.3091

Same Dimension

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



32.6919, 34.4757, 99.5392



28.4244, 27.7793, 98.4716



21.2846, 11.6612, 95.7368



17.8373, 19.0462, 22.9861



14.5784, 14.0664, 51.3813



1.5285, 1.5877, 5.0392

Inverse Universe

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



49.1256, 26.3097, 37.6117



46.5228, 23.5503, 29.2028



73.4122, 84.6476, 15.6036



18.4305, 18.1555, 20.8843



24.1467, 12.1480, 14.6889



2.4061, 1.2048, 1.7201

Previews

White Background



This preview shows how the XYZ color 32.6907, 34.4747, 99.5390 looks on a white background.

Color Contrast Check

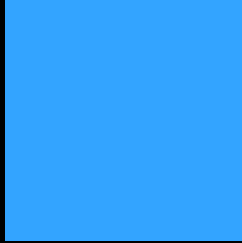
Large Text (above 18pt) WCAG AA × Fail

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 32.6907, 34.4747, 99.5390 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

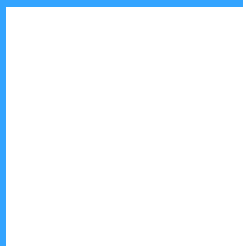
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6907, 34.4747, 99.5390

Background



This preview shows how black text looks on a background with the XYZ color 32.6907, 34.4747, 99.5390.



This preview shows how white text looks on a background with the XYZ color 32.6907, 34.4747,

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

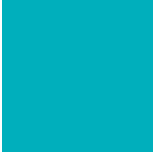
32.6907, 34.4747, 99.5390

Protanopia

36.3585, 33.9760, 91.8305

Deuteranopia

35.3139, 34.2704, 99.3613



Tritanopia

24.4071, 34.2908, 52.9093

Trichromacy



Original Color

32.6907, 34.4747, 99.5390

Protanomaly

34.2555, 33.8347, 94.3478

Deuteranomaly

34.0141, 34.1109, 99.3991

Tritanomaly

26.7151, 34.0177, 67.4454

Monochromacy



Original Color

32.6907, 34.4747, 99.5390

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.3753, 28.0604, 48.3348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6907, 34.4747, 99.5390 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, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 164, 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, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 164, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.6907, 34.4747, 99.5390 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, 164, 255) }
```


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

```
.border{ border-color:rgb(51, 164, 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, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 164,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6907, 34.4747, 99.5390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 164, 255) }
```

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

```
.background{ background-color: rgb(51, 164,  
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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