

Converting Colors

XYZ(32.5665, 34.5908, 99.1787)

Have a look what the booklet for
XYZ(32.5665, 34.5908, 99.1787)
contains.

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Color

**XYZ(32.7241, 34.7586,
99.5921)**

Conversions

Conversions Part 1

Format	Color
Hex	30A5FF
RGB	48, 165, 255
RGB Percent	19%, 65%, 100%
CMY	0.8117, 0.3529, 0.0000
CMYK	0.81, 0.35, 0.00, 0.00
HSL	206°, 100%, 59%
HSV	206°, 81%, 100%
XYZ	32.7241, 34.7586, 99.5921
YIQ	140.2770, -98.6220, 3.1860

Conversions

Conversions Part 2

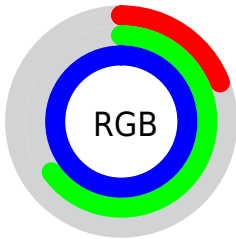
Format	Color
R _Y B	48, 123, 255
Decimal	3188223
CIE Lab	65.56, -1.11, -53.52
CIE LCh	66, 53.532, 268.808
Yxy	34.7586, 0.1959, 0.2080
Android (android.graphics.Color)	4281378303 (0xFF30A5FF)
YUV	140.2770, 56.5584, -80.9269
Hunter-Lab	58.9564, -4.0963, -58.8861

Details

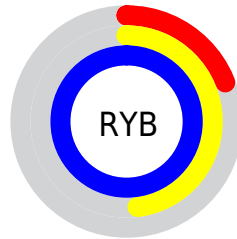
The XYZ color **32.7241, 34.7586, 99.5921** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **50.8654, 39.6564, 7.7722**, and the grayscale version is **24.8521, 26.1464, 28.4734**.

A 20% lighter version of the original color is **52.2474, 62.8420, 103.9837**, and **16.2104, 16.1118, 55.6816** is the 20% darker color. If you saturate the color by 10%, you get **29.9338, 30.4792, 98.9131**, and if you desaturate by 10%, it is **36.3802, 39.7426, 100.3614**.

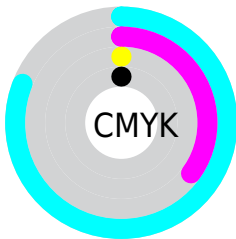
Distribution



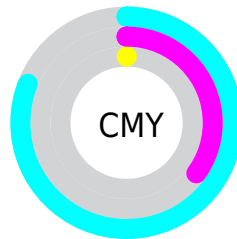
- Red (19%)
- Green (65%)
- Blue (100%)



- Red (19%)
- Yellow (48%)
- Blue (100%)



- Cyan (81%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (81%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7241, 34.7586, 99.5921 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 32.7241, 34.7586, 99.5921 by changing the saturation by 10% instead.

■ 32.7241, 34.7586,
99.5921

■ 32.7241, 34.7586,
99.5921

306.0917,
323.5015, 580.1196

■ 22.0734, 23.4770,
75.3449

■ 63.3021, 67.1116,
162.6435

■ 14.0277, 14.9461,
55.3921

■ 83.9601, 88.9518,
202.2848

■ 8.2218, 8.7816,
39.3150

■ 108.6846,
115.0804, 247.8946

■ 4.2902, 4.5990,
26.6952

■ 137.8409,
145.8816, 299.8914

■ 1.8676, 2.0140,
17.1140

171.7945,
181.7399, 358.6938

■ 0.5579, 0.6156,
10.1530

210.9105,

■ 0.0000, 0.0000,

223.0398, 424.7203

5.3936

255.5545,
270.1655, 498.3894

■ 0.0000, 0.0000,
2.4172

■ 0.0000, 0.0000,
0.7958

■ 32.7241, 34.7586,
99.5921

■ 32.7241, 34.7586,
99.5921

■ 29.9338, 30.4792,
98.9131

■ 36.3802, 39.7426,
100.3614

■ 28.0415, 27.2030,
98.3805

■ 41.0059, 45.4898,
101.2269

■ 46.6926, 52.0536,
102.1941

■ 53.5189, 59.4805,
103.2679

■ 61.5557, 67.8127,
104.4526

■ 70.8675, 77.0890,
105.7523

■ 81.5140, 87.3454,
107.1709

■ 93.5510, 98.6161,
108.7119

■ 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.



25.8211, 34.7586, 88.1675



32.7241, 34.7586, 99.5921



40.8562, 34.7586, 89.7567

Triad

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



32.7241, 34.7586, 99.5921



48.1040, 34.7586, 20.6055



21.7355, 34.7586, 19.5846

Complementary

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



32.7241, 34.7586, 99.5921



50.8654, 39.6564, 7.7722

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.



26.2851, 34.7586, 11.2019



32.7241, 34.7586, 99.5921



41.4858, 34.7586, 11.6059

Square

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



32.7241, 34.7586, 99.5921



50.5393, 34.7586, 38.7523



33.3519, 34.7586, 8.9937



20.1289, 34.7586, 36.9543

Rectangle

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



32.7241, 34.7586, 99.5921



45.7448, 34.7586, 74.0443



33.3519, 34.7586, 8.9937



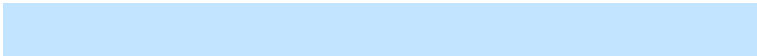
22.9319, 34.7586, 15.9211

Sweetspot

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



32.7253, 34.7596, 99.5922



68.0973, 74.3639, 105.3723



41.5466, 73.9756, 36.0247



13.8618, 15.2068, 22.4546



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.



32.7253, 34.7596, 99.5922



28.6491, 28.2760, 98.5556



20.9828, 11.2747, 95.6780



17.8550, 19.0816, 22.9920



14.8036, 14.5168, 51.4564



1.5501, 1.6309, 5.0464

Inverse Universe

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



49.0895, 26.0923, 38.0470



46.6246, 23.5467, 29.8755



73.2889, 84.5035, 15.2467



18.4394, 18.1591, 20.9313



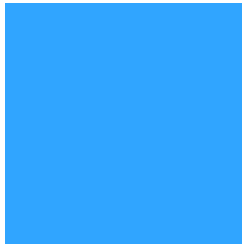
24.2604, 12.1934, 15.2875



2.4170, 1.2092, 1.7775

Previews

White Background



This preview shows how the XYZ color 32.7241, 34.7586, 99.5921 looks on a white background.

Color Contrast Check

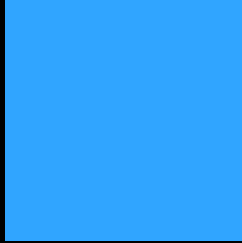
Large Text (above 18pt) WCAG AA × Fail

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 32.7241, 34.7586, 99.5921 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

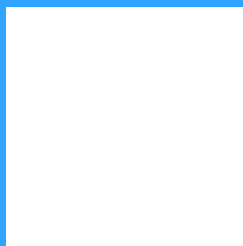
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7241, 34.7586, 99.5921

Background



This preview shows how black text looks on a background with the XYZ color 32.7241, 34.7586, 99.5921.

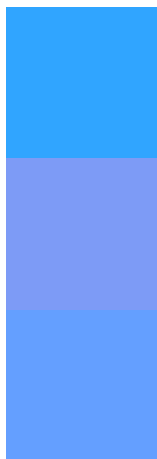


This preview shows how white text looks on a background with the XYZ color 32.7241, 34.7586,

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

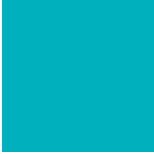
32.7241, 34.7586, 99.5921

Protanopia

36.8133, 34.4565, 91.8993

Deuteranopia

35.7037, 34.7256, 99.4287



Tritanopia

24.7106, 34.7248, 53.5443

Trichromacy



Original Color

32.7241, 34.7586, 99.5921

Protanomaly

34.4268, 34.1772, 94.4049

Deuteranomaly

34.1882, 34.4591, 99.4571

Tritanomaly

26.9939, 34.4283, 68.1734

Monochromacy



Original Color

32.7241, 34.7586, 99.5921

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.2543, 27.9981, 48.3291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7241, 34.7586, 99.5921 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(48, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 165, 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(48, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.7241, 34.7586, 99.5921 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(48, 165, 255) }
```


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

```
.border{ border-color:rgb(48, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7241, 34.7586, 99.5921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 165, 255) }
```

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

```
.background{ background-color: rgb(48, 165,  
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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