

Converting Colors

XYZ(42.0367, 73.4538, 32.7469)

Have a look what the booklet for
XYZ(42.0367, 73.4538, 32.7469)
contains.

XYZ(41.9894, 73.3314, 32.7102)	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(41.9894, 73.3314,
32.7102)**

Conversions

Conversions Part 1

Format	Color
Hex	4BFD81
RGB	75, 253, 129
RGB Percent	29%, 99%, 51%
CMY	0.7059, 0.0078, 0.4941
CMYK	0.70, 0.00, 0.49, 0.01
HSL	138°, 98%, 64%
HSV	138°, 70%, 99%
XYZ	41.9894, 73.3314, 32.7102
YIQ	185.6420, -66.2840, -76.3000

Conversions

Conversions Part 2

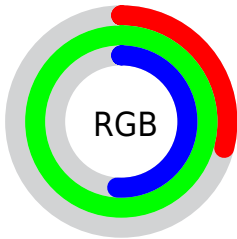
Format	Color
RYB	75, 212, 253
Decimal	4980097
CIELab	88.61, -70.08, 46.41
CIELCh	89, 84.052, 146.488
Yxy	73.3314, 0.2837, 0.4954
Android (android.graphics.Color)	4283170177 (0xFF4BFD81)
YUV	185.6420, -27.9245, -97.0330
Hunter-Lab	85.6338, -62.3339, 37.2962

Details

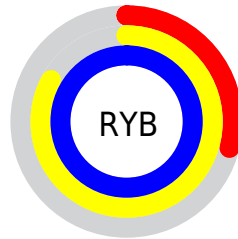
The XYZ color **41.9894, 73.3314, 32.7102** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **53.3351, 30.0397, 57.0222**, and the grayscale version is **46.6513, 49.0808, 53.4490**.

A 20% lighter version of the original color is **55.9133, 80.9100, 58.0176**, and **20.8547, 39.5660, 13.5590** is the 20% darker color. If you saturate the color by 10%, you get **39.3176, 72.0800, 26.9890**, and if you desaturate by 10%, it is **45.6531, 75.0749, 39.5359**.

Distribution



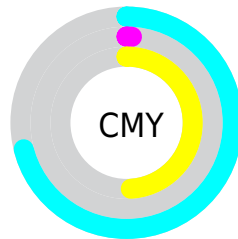
- Red (29%)
- Green (99%)
- Blue (51%)



- Red (29%)
- Yellow (83%)
- Blue (99%)



- Cyan (70%)
- Magenta (0%)
- Yellow (49%)
- Black (1%)





- Cyan (71%)
- Magenta (1%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9894, 73.3314, 32.7102 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 41.9894, 73.3314, 32.7102 by changing the saturation by 10% instead.


 41.9894, 73.3314,
32.7102


 41.9894, 73.3314,
32.7102


345.4314,
472.1626, 328.9337

 29.2841, 54.2470,
21.6352


 77.4488, 123.9476,
65.0336


 19.4412, 38.7992,
13.3934


 100.9337,
156.2481, 87.1191

 12.0954, 26.6035,
7.5661


 128.7424,
193.7228, 113.7119

 6.8813, 17.2757,
3.7348

 161.2403,
236.7561, 145.2305

 3.4337, 10.4312,
1.4810

198.7928,
285.7323, 182.0934

 1.3870, 5.6858,
0.2037

241.7652,

 0.2470, 2.6550,

341.0358, 224.7193

0.0000

290.5230,
403.0511, 273.5265

■ 0.0000, 0.9544,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9894, 73.3314,
32.7102

■ 41.9894, 73.3314,
32.7102

■ 39.3176, 72.0800,
26.9890

■ 45.6531, 75.0749,
39.5359


■ 37.5223, 71.2563,
22.3080


■ 50.3963, 77.3484,
47.5157


■ 36.4576, 70.7857,
18.7173


■ 56.3023, 80.1959,
56.7020

■ 63.4448, 83.6543,
67.1428

 71.8911, 87.7574,
78.8831

 81.7037, 92.5365,
91.9657

 92.9406, 98.0209,
106.4316

 94.4167, 98.7334,
108.6889

Harmonies

Analogous

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



53.7196, 73.3314, 15.8124



41.9894, 73.3314, 32.7102



37.5836, 73.3314, 73.2005

Triad

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



41.9894, 73.3314, 32.7102



67.3387, 73.3314, 251.1347



110.7310, 73.3314, 39.6880

Complementary

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



41.9894, 73.3314, 32.7102



53.3351, 30.0397, 57.0222

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.



116.2930, 73.3314, 86.8808



41.9894, 73.3314, 32.7102



88.5698, 73.3314, 227.2302

Square

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



41.9894, 73.3314, 32.7102



50.3176, 73.3314, 213.7723



107.5118, 73.3314, 158.6978



93.5109, 73.3314, 18.2513

Rectangle

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



41.9894, 73.3314, 32.7102



38.6061, 73.3314, 115.9040



107.5118, 73.3314, 158.6978



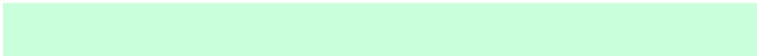
114.1544, 73.3314, 52.1682

Sweetspot

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



41.9912, 73.3344, 32.7119



72.5836, 89.0460, 79.4830



60.1105, 82.9863, 19.5069



15.0036, 18.8007, 16.2824



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.



41.9912, 73.3344, 32.7119



39.2567, 73.0234, 25.6023



50.6056, 76.7801, 78.0744



17.9984, 20.2589, 20.2945



19.4496, 37.6764, 10.2528



1.9398, 3.6868, 1.2408

Inverse Universe

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



53.3351, 30.0397, 57.0222



51.3222, 26.5506, 51.1451



45.8733, 27.0550, 17.7289



18.5442, 18.2010, 21.4828



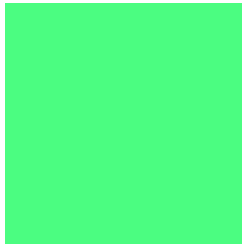
25.7983, 12.8086, 23.3863



2.5605, 1.2666, 2.5330

Previews

White Background



This preview shows how the XYZ color 41.9894, 73.3314, 32.7102 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 41.9894, 73.3314, 32.7102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

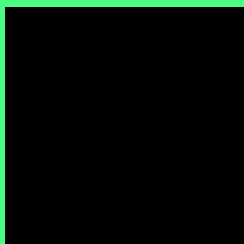
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9894, 73.3314, 32.7102

Background



This preview shows how black text looks on a background with the XYZ color 41.9894, 73.3314, 32.7102.

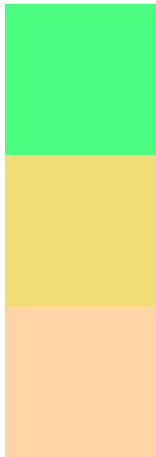


This preview shows how white text looks on a background with the XYZ color 41.9894, 73.3314,

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

41.9894, 73.3314, 32.7102

Protanopia

66.0886, 72.0756, 27.5683

Deuteranopia

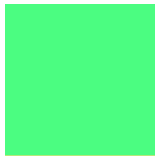
71.8258, 71.5651, 45.6251



Tritanopia

57.6943, 72.6137, 105.5828

Trichromacy



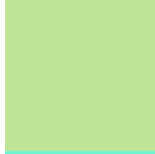
Original Color

41.9894, 73.3314, 32.7102



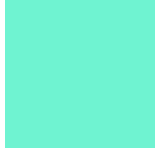
Protanomaly

51.9432, 69.6281, 29.1142



Deuteranomaly

54.6461, 68.7010, 40.0862



Tritanomaly

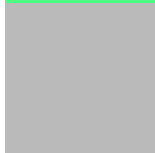
50.1148, 72.0841, 71.5939

Monochromacy



Original Color

41.9894, 73.3314, 32.7102



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

41.6922, 54.9208, 44.0007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9894, 73.3314, 32.7102 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(75, 253, 129)` looks like.

```
.text, #text, p{  
    color:rgb(75, 253, 129)  
}
```

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(75, 253, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 253, 129) }
```

Border

The CSS property to change the border of an element to XYZ 41.9894, 73.3314, 32.7102 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(75, 253, 129) }
```


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

```
.border{ border-color:rgb(75, 253, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 253, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 253, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 253, 129);  
box-shadow:4px 4px 4px 4px rgb(75, 253,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9894, 73.3314, 32.7102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 253, 129) }
```

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

```
.background{ background-color: rgb(75, 253,  
129) }
```

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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