

Converting Colors

XYZ(43.2546, 75.2227, 19.5422)

Have a look what the booklet for
XYZ(43.2546, 75.2227, 19.5422)
contains.

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Color

**XYZ(43.2347, 75.2103,
19.6355)**

Conversions

Conversions Part 1

Format	Color
Hex	6BFF4F
RGB	107, 255, 79
RGB Percent	42%, 100%, 31%
CMY	0.5804, 0.0000, 0.6902
CMYK	0.58, 0.00, 0.69, 0.00
HSL	110°, 100%, 65%
HSV	110°, 69%, 100%
XYZ	43.2347, 75.2103, 19.6355
YIQ	190.6840, -31.7120, -86.1120

Conversions

Conversions Part 2

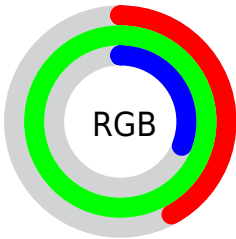
Format	Color
RYB	79, 255, 227
Decimal	7077711
CIELab	89.49, -70.17, 68.89
CIELCh	89, 98.333, 135.529
Yxy	75.2103, 0.3131, 0.5447
Android (android.graphics.Color)	4285267791 (0xFF6BFF4F)
YUV	190.6840, -55.0602, -73.3909
Hunter-Lab	86.7239, -62.7787, 47.2826

Details

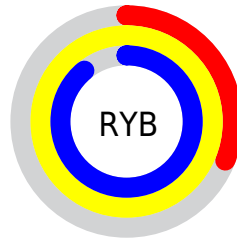
The XYZ color **43.2347, 75.2103, 19.6355** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **52.5268, 29.1447, 97.4648**, and the grayscale version is **49.6603, 52.2465, 56.8965**.

A 20% lighter version of the original color is **56.9985, 81.9555, 36.1074**, and **20.2157, 40.0611, 6.6671** is the 20% darker color. If you saturate the color by 10%, you get **40.2114, 73.7392, 15.5433**, and if you desaturate by 10%, it is **47.2536, 77.1535, 25.6335**.

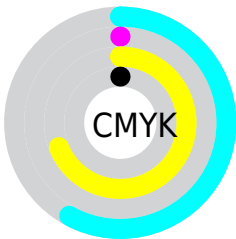
Distribution



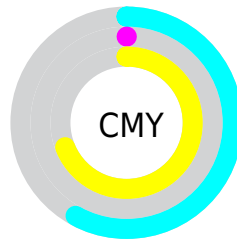
- Red (42%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (89%)



- Cyan (58%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2347, 75.2103, 19.6355 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 43.2347, 75.2103, 19.6355 by changing the saturation by 10% instead.


 43.2347, 75.2103,
19.6355


 43.2347, 75.2103,
19.6355


350.4813,
478.6401, 262.4736


 30.2646, 55.7852,
11.9489


 79.3184, 126.6100,
43.6561


 20.1886, 40.0307,
6.5868


 103.1628,
159.3534, 60.8273

 12.6413, 27.5625,
3.1306


 131.3626,
197.3050, 81.9970

 7.2573, 17.9961,
1.1617

 164.2833,
240.8492, 107.5839

 3.6713, 10.9472,
0.0000

202.2901,
290.3704, 138.0064

 1.5179, 6.0313,
0.0000

245.7485,

 0.3380, 2.8642,

346.2531, 173.6832

0.0000

295.0237,
408.8815, 215.0328

■ 0.0000, 1.0612,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.2347, 75.2103,
19.6355

■ 43.2347, 75.2103,
19.6355

■ 40.2114, 73.7392,
15.5433

■ 47.2536, 77.1535,
25.6335

■ 38.0914, 72.6976,
13.1234

■ 52.3468, 79.6053,
33.7277

■ 36.7562, 72.0320,
12.0383

■ 58.5860, 82.5989,
44.0891

■ 36.6570, 71.9824,
11.9620

■ 66.0364, 86.1645,
56.8703

■ 74.7579, 90.3301,
72.2108

■ 84.8069, 95.1219,
90.2391

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.



59.7739, 75.2103, 9.0053



43.2347, 75.2103, 19.6355



35.3259, 75.2103, 52.9821

Triad

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



43.2347, 75.2103, 19.6355



60.5107, 75.2103, 289.5708



126.1268, 75.2103, 51.2307

Complementary

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



43.2347, 75.2103, 19.6355



52.5268, 29.1447, 97.4648

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.



126.4505, 75.2103, 119.7689



43.2347, 75.2103, 19.6355



84.6340, 75.2103, 288.1009

Square

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



43.2347, 75.2103, 19.6355



43.6690, 75.2103, 217.9422



109.9501, 75.2103, 214.6306



109.1456, 75.2103, 18.9741

Rectangle

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



43.2347, 75.2103, 19.6355



34.5469, 75.2103, 95.3659



109.9501, 75.2103, 214.6306



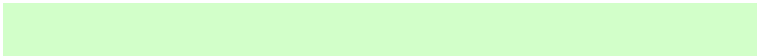
128.2960, 75.2103, 69.7496

Sweetspot

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



43.2350, 75.2104, 19.6367



72.9248, 89.4552, 68.9593



69.7576, 76.0368, 18.3983



15.0810, 18.8950, 13.8283



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.



43.2350, 75.2104, 19.6367



39.2643, 73.2754, 14.3934



43.5486, 75.0080, 36.1027



18.0406, 20.3068, 19.1131



19.2332, 37.6531, 6.2541



1.9463, 3.7041, 0.6124

Inverse Universe

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



52.5268, 29.1447, 97.4648



48.8473, 24.3980, 96.7425



54.0385, 30.8537, 55.5322



18.4922, 18.1455, 22.7777



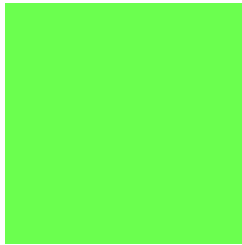
24.0950, 11.3319, 50.3519



2.4188, 1.1408, 4.9060

Previews

White Background



This preview shows how the XYZ color 43.2347, 75.2103, 19.6355 looks on a white background.

Color Contrast Check

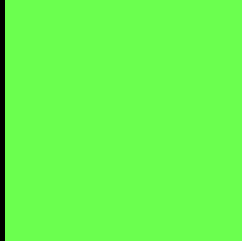
Large Text (above 18pt) WCAG AA × Fail

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 43.2347, 75.2103, 19.6355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

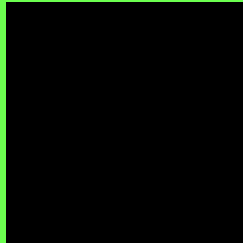
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.2347, 75.2103, 19.6355

Background



This preview shows how black text looks on a background with the XYZ color 43.2347, 75.2103, 19.6355.

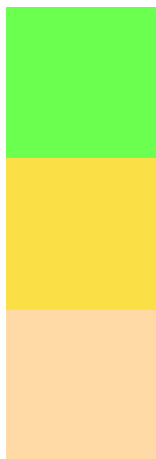


This preview shows how white text looks on a background with the XYZ color 43.2347, 75.2103,

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

43.2347, 75.2103, 19.6355

Protanopia

66.9493, 73.5543, 16.6300

Deuteranopia

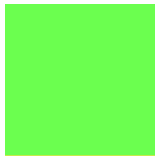
72.9358, 73.6389, 46.4460



Tritanopia

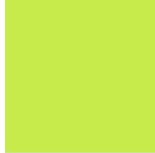
61.2831, 74.4638, 105.7507

Trichromacy



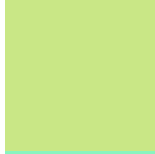
Original Color

43.2347, 75.2103, 19.6355



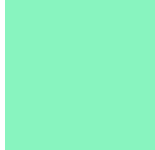
Protanomaly

54.2331, 71.9168, 17.5015



Deuteranomaly

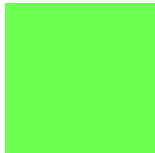
56.9664, 71.2906, 33.3123



Tritanomaly

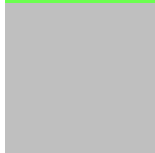
51.9080, 73.6972, 60.7794

Monochromacy



Original Color

43.2347, 75.2103, 19.6355



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

44.0488, 57.7687, 37.6830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2347, 75.2103, 19.6355 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(107, 255, 79)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 79)  
}
```

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(107, 255, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 79) }
```

Border

The CSS property to change the border of an element to XYZ 43.2347, 75.2103, 19.6355 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(107, 255, 79) }
```


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

```
.border{ border-color:rgb(107, 255, 79) }
```

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

Here you see how a box with a 4 pixel rgb(107, 255, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 79);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2347, 75.2103, 19.6355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 79) }
```

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

```
.background{ background-color: rgb(107,  
255, 79) }
```

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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