

Converting Colors

XYZ(42.6671, 74.4133, 31.0828)

Have a look what the booklet for
XYZ(42.6671, 74.4133, 31.0828)
contains.

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Color

**XYZ(42.5596, 74.1327,
31.1347)**

Conversions

Conversions Part 1

Format	Color
Hex	52FE7C
RGB	82, 254, 124
RGB Percent	32%, 100%, 49%
CMY	0.6784, 0.0039, 0.5137
CMYK	0.68, 0.00, 0.51, 0.00
HSL	135°, 99%, 66%
HSV	135°, 68%, 100%
XYZ	42.5596, 74.1327, 31.1347
YIQ	187.7520, -60.7820, -76.8940

Conversions

Conversions Part 2

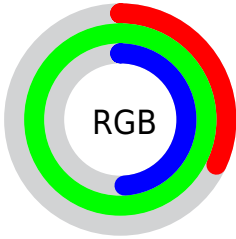
Format	Color
R_{YB}	82, 220, 254
Decimal	5439100
CIE _{Lab}	88.99, -70.00, 49.25
CIE _{LCh}	89, 85.588, 144.873
Yxy	74.1327, 0.2879, 0.5015
Android (android.graphics.Color)	4283629180 (0xFF52FE7C)
YUV	187.7520, -31.4297, -92.7445
Hunter-Lab	86.1003, -62.4426, 38.8304

Details

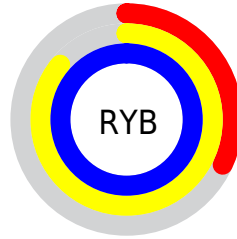
The XYZ color **42.5596, 74.1327, 31.1347** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **55.7762, 31.8602, 65.4994**, and the grayscale version is **47.8583, 50.3506, 54.8318**.

A 20% lighter version of the original color is **56.4744, 81.2587, 55.3558**, and **20.8773, 39.9348, 12.5691** is the 20% darker color. If you saturate the color by 10%, you get **39.6478, 72.7606, 25.2668**, and if you desaturate by 10%, it is **46.5284, 76.0266, 38.2890**.

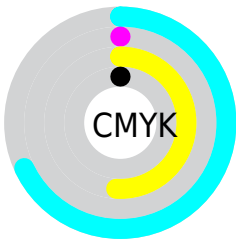
Distribution



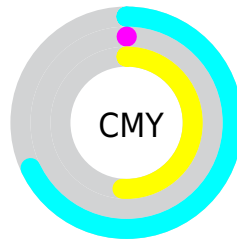
- Red (32%)
- Green (100%)
- Blue (49%)



- Red (32%)
- Yellow (86%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (68%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5596, 74.1327, 31.1347 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 42.5596, 74.1327, 31.1347 by changing the saturation by 10% instead.


 42.5596, 74.1327,
31.1347


 42.5596, 74.1327,
31.1347


347.7498,
474.9312, 321.5288


 29.7327, 54.9027,
20.4421


 78.3057, 125.0839,
62.5341


 19.7829, 39.3238,
12.5296


 101.9557,
157.5738, 84.0781

 12.3447, 27.0117,
6.9785


 129.9441,
195.2526, 110.0762

 7.0527, 17.5820,
3.3704

 162.6363,
238.5044, 140.9471

 3.5417, 10.6503,
1.2867

200.3976,
287.7138, 177.1092

 1.4463, 5.8322,
0.0509


243.5933,

 0.2888, 2.7433,


343.2652, 218.9812


0.0000


292.5890,
405.5428, 266.9816


 0.0000, 0.9992,
0.0000


 0.0000, 0.0000,
0.0000


 42.5596, 74.1327,
31.1347

 42.5596, 74.1327,
31.1347


 39.6478, 72.7606,
25.2668


 46.5284, 76.0266,
38.2890


 37.6783, 71.8465,
20.6034


 51.6422, 78.4799,
46.7951


 36.5114, 71.3221,
17.0600

 57.9858, 81.5370,
56.7201

 36.3134, 71.2346,
16.3968

 65.6342, 85.2354,
68.1249

 74.6564, 89.6094,
81.0669

 85.1163, 94.6908,
95.6004

94.7332, 99.3665,
108.7944

Harmonies

Analogous

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



54.9474, 74.1327, 15.0289



42.5596, 74.1327, 31.1347



37.6712, 74.1327, 70.9119

Triad

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



42.5596, 74.1327, 31.1347



66.9481, 74.1327, 256.8972



113.3122, 74.1327, 41.5016

Complementary

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



42.5596, 74.1327, 31.1347



55.7762, 31.8602, 65.4994

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.



118.2530, 74.1327, 91.3886



42.5596, 74.1327, 31.1347



88.6499, 74.1327, 235.5302

Square

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



42.5596, 74.1327, 31.1347



49.8695, 74.1327, 215.2479



108.4785, 74.1327, 166.1497



96.0593, 74.1327, 18.6183

Rectangle

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



42.5596, 74.1327, 31.1347



38.4535, 74.1327, 113.8182



108.4785, 74.1327, 166.1497



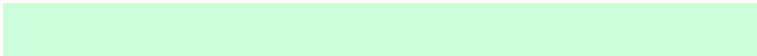
116.5951, 74.1327, 54.7513

Sweetspot

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



42.5614, 74.1357, 31.1364



73.1153, 89.3387, 78.6642



64.6601, 85.7724, 21.1309



15.0909, 18.8512, 16.0393



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.



42.5614, 74.1357, 31.1364



39.2470, 73.0581, 23.8093



50.3252, 77.2412, 72.0197



17.9534, 20.2409, 20.0577



19.1925, 37.5736, 8.8987



1.9097, 3.6748, 1.0821

Inverse Universe

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



55.7762, 31.8602, 65.4994



53.2821, 27.7976, 60.0383



47.7799, 28.6617, 23.3911



18.5919, 18.2201, 21.7341



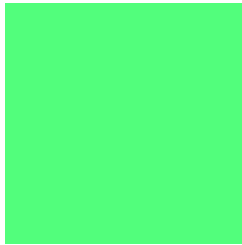
26.6249, 13.1392, 27.7388



2.6354, 1.2965, 2.9275

Previews

White Background



This preview shows how the XYZ color 42.5596, 74.1327, 31.1347 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 42.5596, 74.1327, 31.1347 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 42.5596, 74.1327, 31.1347

Background



This preview shows how black text looks on a background with the XYZ color 42.5596, 74.1327, 31.1347.

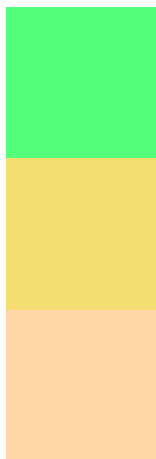


This preview shows how white text looks on a background with the XYZ color 42.5596, 74.1327,

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

42.5596, 74.1327, 31.1347

Protanopia

66.7581, 72.8473, 26.1652

Deuteranopia

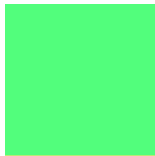
72.5155, 72.6509, 46.7603



Tritanopia

58.8154, 73.1916, 105.6352

Trichromacy



Original Color

42.5596, 74.1327, 31.1347



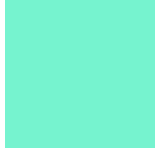
Protanomaly

52.8834, 70.5691, 27.6636



Deuteranomaly

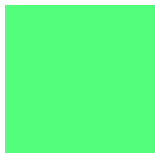
55.3435, 69.4795, 39.7721



Tritanomaly

50.7843, 72.4577, 70.3406

Monochromacy



Original Color

42.5596, 74.1327, 31.1347



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.7294, 56.1931, 44.1916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5596, 74.1327, 31.1347 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(82, 254, 124)` looks like.

```
.text, #text, p{  
    color:rgb(82, 254, 124)  
}
```

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(82, 254, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 254, 124) }
```

Border

The CSS property to change the border of an element to XYZ 42.5596, 74.1327, 31.1347 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(82, 254, 124) }
```


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

```
.border{ border-color:rgb(82, 254, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 254, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 254, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 254, 124);  
box-shadow:4px 4px 4px 4px rgb(82, 254,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5596, 74.1327, 31.1347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 254, 124) }
```

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

```
.background{ background-color: rgb(82, 254,  
124) }
```

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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