

Converting Colors

XYZ(43.0763, 74.8975, 30.0734)

Have a look what the booklet for
XYZ(43.0763, 74.8975, 30.0734)
contains.

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Color

**XYZ(43.0806, 74.9023,
29.9563)**

Conversions

Conversions Part 1

Format	Color
Hex	57FF78
RGB	87, 255, 120
RGB Percent	34%, 100%, 47%
CMY	0.6588, 0.0000, 0.5294
CMYK	0.66, 0.00, 0.53, 0.00
HSL	132°, 100%, 67%
HSV	132°, 66%, 100%
XYZ	43.0806, 74.9023, 29.9563
YIQ	189.3780, -56.7930, -77.6010

Conversions

Conversions Part 2

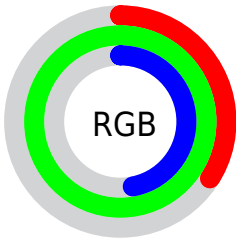
Format	Color
RYB	87, 227, 255
Decimal	5767032
CIELab	89.35, -70.01, 51.55
CIELCh	89, 86.941, 143.631
Yxy	74.9023, 0.2912, 0.5063
Android (android.graphics.Color)	4283957112 (0xFF57FF78)
YUV	189.3780, -34.2034, -89.7855
Hunter-Lab	86.5461, -62.6026, 40.0602

Details

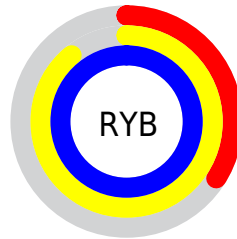
The XYZ color **43.0806, 74.9023, 29.9563** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **57.8327, 33.3503, 72.4944**, and the grayscale version is **48.7995, 51.3409, 55.9102**.

A 20% lighter version of the original color is **56.8243, 81.4852, 53.2907**, and **20.9794, 40.3378, 11.9904** is the 20% darker color. If you saturate the color by 10%, you get **39.9922, 73.4388, 24.0007**, and if you desaturate by 10%, it is **47.2762, 76.9058, 37.3551**.

Distribution



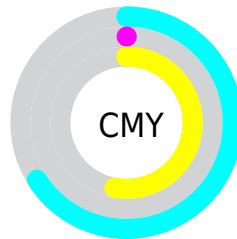
- Red (34%)
- Green (100%)
- Blue (47%)



- Red (34%)
- Yellow (89%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (66%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.0806, 74.9023, 29.9563 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 43.0806, 74.9023, 29.9563 by changing the saturation by 10% instead.


 43.0806, 74.9023,
29.9563


 43.0806, 74.9023,
29.9563


349.8590,
477.5817, 315.9017


 30.1432, 55.5329,
19.5536


 79.0874, 126.1741,
60.6533


 20.0959, 39.8285,
11.8902


 102.8875,
158.8452, 81.7846

 12.5734, 27.4049,
6.5473


 131.0392,
196.7189, 107.3293

 7.2104, 17.8775,
3.1065

 163.9079,
240.1798, 137.7059

 3.6416, 10.8621,
1.1493

201.8588,
289.6121, 173.3329

 1.5014, 5.9742,
0.0000

245.2574,

 0.3268, 2.8294,

345.4002, 214.6288

0.0000

294.4690,
407.9286, 262.0122

0.0000, 1.0433,
0.0000

0.0000, 0.0000,
0.0000

43.0806, 74.9023,
29.9563

43.0806, 74.9023,
29.9563

39.9922, 73.4388,
24.0007

47.2762, 76.9058,
37.3551

37.8997, 72.4599,
19.3901

52.6731, 79.4960,
46.2794

36.6688, 71.8987,
16.0195

59.3564, 82.7153,
56.8096

36.3377, 71.7511,
14.9624

67.4032, 86.6016,
69.0194

■ 76.8842, 91.1901,
82.9779

■ 87.8652, 96.5133,
98.7504

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.



56.0266, 74.9023, 14.4360



43.0806, 74.9023, 29.9563



37.7949, 74.9023, 69.2421

Triad

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



43.0806, 74.9023, 29.9563



66.7518, 74.9023, 262.0940



115.6116, 74.9023, 43.0426

Complementary

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



43.0806, 74.9023, 29.9563



57.8327, 33.3503, 72.4944

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.



120.0562, 74.9023, 95.2492



43.0806, 74.9023, 29.9563



88.8742, 74.9023, 242.7768

Square

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



43.0806, 74.9023, 29.9563



49.5927, 74.9023, 216.8732



109.4570, 74.9023, 172.5784



98.2982, 74.9023, 18.9311

Rectangle

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



43.0806, 74.9023, 29.9563



38.3876, 74.9023, 112.3864



109.4570, 74.9023, 172.5784



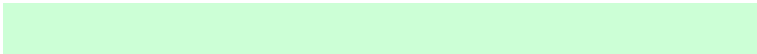
118.7865, 74.9023, 56.9522

Sweetspot

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



43.0810, 74.9024, 29.9575



72.8018, 89.2134, 77.0137



68.2829, 88.0874, 22.4207



15.0170, 18.8216, 15.6501



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.



43.0810, 74.9024, 29.9575



39.2386, 73.0844, 22.4234



50.3276, 77.8011, 68.1178



17.9174, 20.2265, 19.8680



19.0283, 37.5079, 8.0344



1.8889, 3.6665, 0.9730

Inverse Universe

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



57.8327, 33.3503, 72.4944



54.8589, 28.7849, 67.2420



49.3967, 29.9759, 28.0710



18.6307, 18.2356, 21.9383



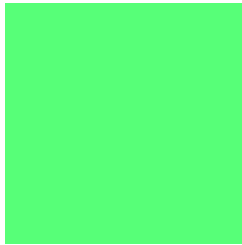
27.3549, 13.4312, 31.5829



2.7007, 1.3226, 3.2712

Previews

White Background



This preview shows how the XYZ color 43.0806, 74.9023, 29.9563 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 43.0806, 74.9023, 29.9563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

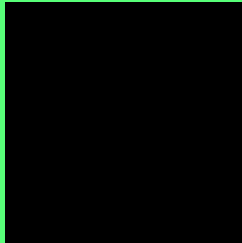
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.0806, 74.9023, 29.9563

Background



This preview shows how black text looks on a background with the XYZ color 43.0806, 74.9023, 29.9563.

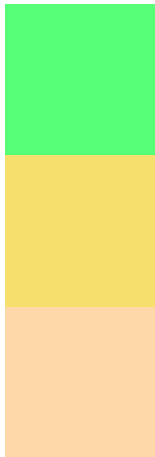


This preview shows how white text looks on a background with the XYZ color 43.0806, 74.9023, 29.9563.

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

43.0806, 74.9023, 29.9563

Protanopia

67.1540, 73.4723, 25.1102

Deuteranopia

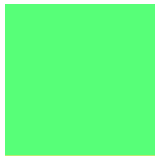
73.0516, 73.2740, 48.3233



Tritanopia

60.1261, 74.2984, 105.7798

Trichromacy



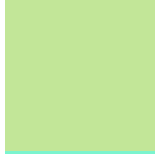
Original Color

43.0806, 74.9023, 29.9563



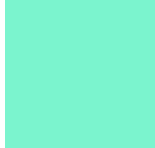
Protanomaly

53.4280, 71.3003, 26.5692



Deuteranomaly

56.2124, 70.3300, 40.3181



Tritanomaly

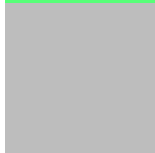
51.6596, 73.3686, 69.8313

Monochromacy



Original Color

43.0806, 74.9023, 29.9563



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

43.4440, 56.9442, 43.8236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.0806, 74.9023, 29.9563 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(87, 255, 120)` looks like.

```
.text, #text, p{  
  color:rgb(87, 255, 120)  
}
```

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(87, 255, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 120) }
```

Border

The CSS property to change the border of an element to XYZ 43.0806, 74.9023, 29.9563 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(87, 255, 120) }
```


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

```
.border{ border-color:rgb(87, 255, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 255, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 255, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 255, 120); box-shadow:4px 4px 4px 4px rgb(87, 255, 120) }
```

Background

The CSS property to change the background color of an element to XYZ 43.0806, 74.9023, 29.9563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 120) }
```

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

```
.background{ background-color: rgb(87, 255,  
120) }
```

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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