

Converting Colors

XYZ(42.3886, 74.6035, 27.3042)

Have a look what the booklet for
XYZ(42.3886, 74.6035, 27.3042)
contains.

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Color

**XYZ(42.3756, 74.5990,
27.2046)**

Conversions

Conversions Part 1

Format	Color
Hex	55FF6F
RGB	85, 255, 111
RGB Percent	33%, 100%, 44%
CMY	0.6667, 0.0000, 0.5647
CMYK	0.67, 0.00, 0.56, 0.00
HSL	129°, 100%, 67%
HSV	129°, 67%, 100%
XYZ	42.3756, 74.5990, 27.2046
YIQ	187.7540, -55.0960, -80.8240

Conversions

Conversions Part 2

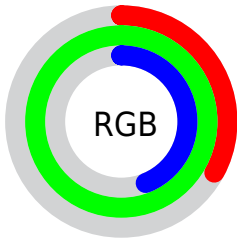
Format	Color
RYB	85, 232, 255
Decimal	5635951
CIELab	89.20, -71.50, 55.42
CIELCh	89, 90.463, 142.220
Yxy	74.5990, 0.2939, 0.5174
Android (android.graphics.Color)	4283826031 (0xFF55FF6F)
YUV	187.7540, -37.8397, -90.1153
Hunter-Lab	86.3707, -63.5722, 41.7846

Details

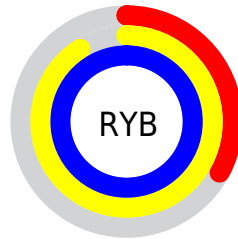
The XYZ color **42.3756, 74.5990, 27.2046** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **58.6312, 33.4143, 77.4863**, and the grayscale version is **47.8908, 50.3849, 54.8691**.

A 20% lighter version of the original color is **55.5918, 80.9486, 48.7710**, and **20.7048, 40.2279, 10.5444** is the 20% darker color. If you saturate the color by 10%, you get **39.4137, 73.1933, 21.5909**, and if you desaturate by 10%, it is **46.4593, 76.5498, 34.3740**.

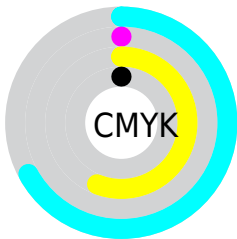
Distribution



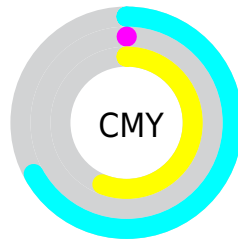
- Red (33%)
- Green (100%)
- Blue (44%)



- Red (33%)
- Yellow (91%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)




- Cyan (67%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3756, 74.5990, 27.2046 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 42.3756, 74.5990, 27.2046 by changing the saturation by 10% instead.


 42.3756, 74.5990,
27.2046

 42.3756, 74.5990,
27.2046


347.0028,
476.5382, 302.4379


 29.5879, 55.2844,
17.4931


 78.0294, 125.7446,
56.2197


 19.6725, 39.6295,
10.4211


 101.6261,
158.3444, 76.3605

 12.2641, 27.2498,
5.5698


 129.5567,
196.1414, 100.8148

 6.9973, 17.7609,
2.5208

 162.1863,
239.5199, 130.0011

 3.5067, 10.7785,
0.8511

199.8803,
288.8645, 164.3380

 1.4270, 5.9181,
0.0000


243.0042,


 0.2754, 2.7953,


344.5595, 204.2441


0.0000


291.9232,
406.9892, 250.1379


 0.0000, 1.0258,
0.0000


 0.0000, 0.0000,
0.0000


 42.3756, 74.5990,
27.2046


 42.3756, 74.5990,
27.2046


 39.4137, 73.1933,
21.5909


 46.4593, 76.5498,
34.3740


 37.4572, 72.2751,
17.4140

 51.7633, 79.0943,
43.1993

 36.3636, 71.7737,
14.5432

 58.3763, 82.2761,
53.7763

 36.1263, 71.6665,
13.8488

 66.3782, 86.1347,
66.1927

■ 75.8428, 90.7063,
80.5301

■ 86.8383, 96.0246,
96.8653

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.



56.0372, 74.5990, 12.6703



42.3756, 74.5990, 27.2046



36.6231, 74.5990, 65.8601

Triad

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



42.3756, 74.5990, 27.2046



65.3135, 74.5990, 270.9344



117.8883, 74.5990, 43.3907

Complementary

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



42.3756, 74.5990, 27.2046



58.6312, 33.4143, 77.4863

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.



121.8053, 74.5990, 98.8125



42.3756, 74.5990, 27.2046



88.1922, 74.5990, 253.6647

Square

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



42.3756, 74.5990, 27.2046



47.9553, 74.5990, 220.1144



110.0088, 74.5990, 180.7422



100.2072, 74.5990, 18.0604

Rectangle

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



42.3756, 74.5990, 27.2046



36.9919, 74.5990, 109.7601



110.0088, 74.5990, 180.7422



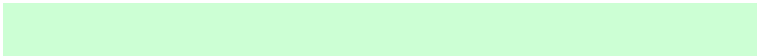
120.9883, 74.5990, 58.1221

Sweetspot

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



42.3760, 74.5992, 27.2058



72.5204, 89.1008, 75.5316



69.8727, 88.9163, 22.0746



14.9507, 18.7951, 15.3014



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.



42.3760, 74.5992, 27.2058



38.6560, 72.8361, 20.0447



49.4135, 77.4142, 64.2651



17.8848, 20.2134, 19.6963



18.9103, 37.4607, 7.4128



1.8728, 3.6600, 0.8878

Inverse Universe

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



58.6312, 33.4143, 77.4863



55.8508, 28.9984, 73.0302



49.5611, 29.7863, 29.7240



18.6662, 18.2498, 22.1254



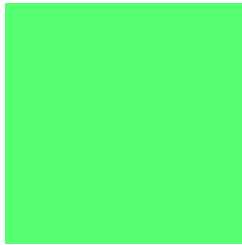
28.0701, 13.7173, 35.3492



2.7640, 1.3480, 3.6044

Previews

White Background



This preview shows how the XYZ color 42.3756, 74.5990, 27.2046 looks on a white background.

Color Contrast Check

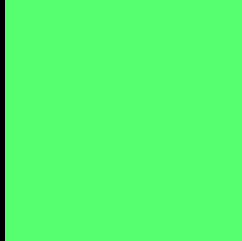
Large Text (above 18pt) WCAG AA × Fail

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 42.3756, 74.5990, 27.2046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

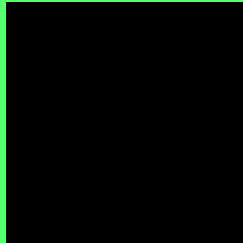
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3756, 74.5990, 27.2046

Background



This preview shows how black text looks on a background with the XYZ color 42.3756, 74.5990, 27.2046.

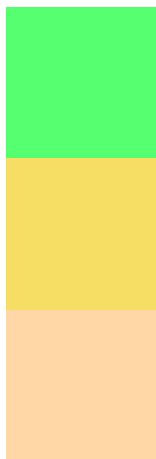


This preview shows how white text looks on a background with the XYZ color 42.3756, 74.5990,

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

42.3756, 74.5990, 27.2046

Protanopia

66.4763, 72.7750, 22.8552

Deuteranopia

72.5155, 72.6509, 46.7603



Tritanopia

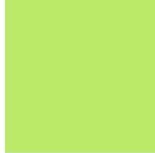
59.7799, 74.1199, 105.7636

Trichromacy



Original Color

42.3756, 74.5990, 27.2046



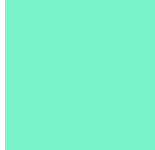
Protanomaly

52.4661, 70.4304, 24.1938



Deuteranomaly

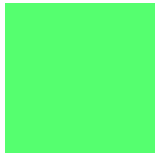
55.5556, 70.0377, 38.1943



Tritanomaly

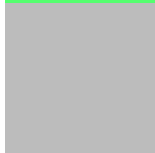
51.0153, 73.0781, 67.9166

Monochromacy



Original Color

42.3756, 74.5990, 27.2046



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.6511, 56.2043, 41.8583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3756, 74.5990, 27.2046 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(85, 255, 111)` looks like.

```
.text, #text, p{  
    color:rgb(85, 255, 111)  
}
```

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(85, 255, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 255, 111) }
```

Border

The CSS property to change the border of an element to XYZ 42.3756, 74.5990, 27.2046 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(85, 255, 111) }
```


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

```
.border{ border-color:rgb(85, 255, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 255, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 255, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 255, 111);  
box-shadow:4px 4px 4px 4px rgb(85, 255,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3756, 74.5990, 27.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 255, 111) }
```

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

```
.background{ background-color: rgb(85, 255,  
111) }
```

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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