

Converting Colors

XYZ(47.5674, 77.3064, 26.0502)

Have a look what the booklet for
XYZ(47.5674, 77.3064, 26.0502)
contains.

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Color

**XYZ(47.5674, 77.3064,
26.0502)**

Conversions

Conversions Part 1

Format	Color
Hex	82FF6A
RGB	130, 255, 106
RGB Percent	51%, 100%, 42%
CMY	0.4902, 0.0000, 0.5843
CMYK	0.49, 0.00, 0.58, 0.00
HSL	110°, 100%, 71%
HSV	110°, 58%, 100%
XYZ	47.5674, 77.3064, 26.0502
YIQ	200.6390, -26.6710, -72.8390

Conversions

Conversions Part 2

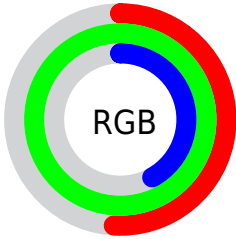
Format	Color
RYB	106, 255, 231
Decimal	8585066
CIELab	90.46, -61.92, 59.40
CIELCh	90, 85.800, 136.191
Yxy	77.3064, 0.3152, 0.5122
Android (android.graphics.Color)	4286775146 (0xFF82FF6A)
YUV	200.6390, -46.6570, -61.9504
Hunter-Lab	87.9241, -57.2976, 43.9804

Details

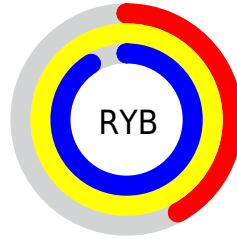
The XYZ color **47.5674, 77.3064, 26.0502** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **56.1607, 34.5185, 98.3105**, and the grayscale version is **55.5852, 58.4799, 63.6846**.

A 20% lighter version of the original color is **63.4282, 85.0404, 46.7896**, and **22.7887, 41.3210, 9.7923** is the 20% darker color. If you saturate the color by 10%, you get **43.4851, 75.3330, 19.9363**, and if you desaturate by 10%, it is **52.7266, 79.7894, 34.2743**.

Distribution



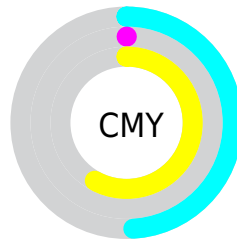
- Red (51%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (91%)



- Cyan (49%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5674, 77.3064, 26.0502 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 47.5674, 77.3064, 26.0502 by changing the saturation by 10% instead.


 47.5674, 77.3064,
26.0502


 47.5674, 77.3064,
26.0502


367.6860,
485.8081, 296.6417

 33.6943, 57.5044,
16.6351


 85.7736, 129.5719,
54.3410


 22.8206, 41.4103,
9.8155


 110.8373,
162.8042, 74.0538

 14.5811, 28.6398,
5.1728


 140.3619,
201.2820, 98.0362

 8.6103, 18.8085,
2.2885

 174.7128,
245.3898, 126.7068

 4.5429, 11.5320,
0.7248

214.2553,
295.5119, 160.4841

 2.0136, 6.4259,
0.0000

259.3548,

 0.6416, 3.1057,

352.0327, 199.7867

0.0000

310.3766,
415.3366, 245.0330

0.0000, 1.1872,
0.0000

0.0000, 0.0512,
0.0000

47.5674, 77.3064,
26.0502

47.5674, 77.3064,
26.0502

43.4851, 75.3330,
19.9363

52.7266, 79.7894,
34.2743

40.4002, 73.8324,
15.7367


59.0326, 82.8144,
44.7736


38.2228, 72.7633,
13.2255

66.5500, 86.4114,
57.7012

36.8391, 72.0738,
12.0850

75.3386, 90.6082,
73.1956

 36.6772, 71.9928,
11.9629

 85.4539, 95.4308,
91.3851

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.



62.5740, 77.3064, 14.0889



47.5674, 77.3064, 26.0502



40.2810, 77.3064, 59.0255

Triad

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



47.5674, 77.3064, 26.0502



64.0722, 77.3064, 258.7020



120.5902, 77.3064, 55.3644

Complementary

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



47.5674, 77.3064, 26.0502



56.1607, 34.5185, 98.3105

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.



121.2080, 77.3064, 115.6086



47.5674, 77.3064, 26.0502



85.5790, 77.3064, 256.0277

Square

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



47.5674, 77.3064, 26.0502



48.4794, 77.3064, 201.3184



107.4137, 77.3064, 195.1790



105.8614, 77.3064, 24.4953

Rectangle

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



47.5674, 77.3064, 26.0502



39.6473, 77.3064, 97.5544



107.4137, 77.3064, 195.1790



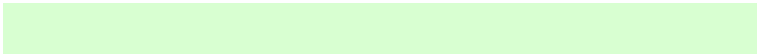
122.5406, 77.3064, 72.0758

Sweetspot

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



47.5677, 77.3065, 26.0514



75.7456, 90.8024, 73.9209



72.1852, 78.9875, 25.0784



15.6330, 19.1588, 14.7916



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.



47.5677, 77.3065, 26.0514



42.9368, 75.0671, 19.1554



47.6771, 76.9735, 43.6505



18.0440, 20.3086, 19.1133



19.2445, 37.6590, 6.2546



1.9478, 3.7049, 0.6125

Inverse Universe

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



56.1607, 34.5185, 98.3105



52.1122, 28.6676, 97.3945



57.4544, 35.9929, 61.8888



18.4885, 18.1436, 22.7776



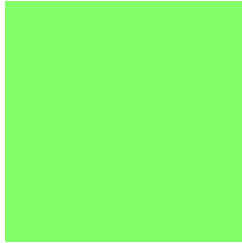
24.0186, 11.2925, 50.3483



2.4120, 1.1374, 4.9057

Previews

White Background



This preview shows how the XYZ color 47.5674, 77.3064, 26.0502 looks on a white background.

Color Contrast Check

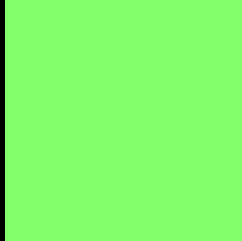
Large Text (above 18pt) WCAG AA × Fail

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 47.5674, 77.3064, 26.0502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

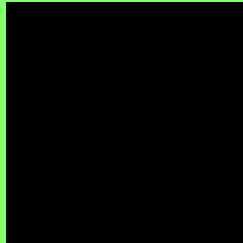
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5674, 77.3064, 26.0502

Background



This preview shows how black text looks on a background with the XYZ color 47.5674, 77.3064, 26.0502.

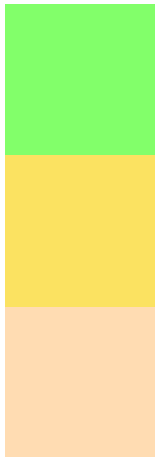


This preview shows how white text looks on a background with the XYZ color 47.5674, 77.3064,

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

47.5674, 77.3064, 26.0502

Protanopia

69.1377, 75.7650, 22.2894

Deuteranopia

74.8691, 75.6608, 52.7774



Tritanopia

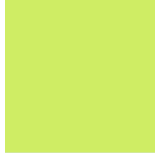
64.9867, 76.8041, 106.0072

Trichromacy



Original Color

47.5674, 77.3064, 26.0502



Protanomaly

58.3166, 74.7539, 23.4119



Deuteranomaly

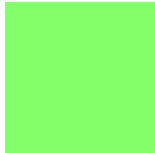
61.3848, 74.2465, 40.8014



Tritanomaly

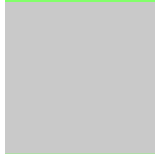
56.4109, 75.8870, 66.9328

Monochromacy



Original Color

47.5674, 77.3064, 26.0502



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

50.4186, 63.5800, 45.6912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5674, 77.3064, 26.0502 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(130, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 106)  
}
```

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(130, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 106) }
```

Border

The CSS property to change the border of an element to XYZ 47.5674, 77.3064, 26.0502 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(130, 255, 106) }
```


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

```
.border{ border-color:rgb(130, 255, 106) }
```

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

Here you see how a box with a 4 pixel rgb(130, 255, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5674, 77.3064, 26.0502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 106) }
```

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

```
.background{ background-color: rgb(130,  
255, 106) }
```

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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