

Converting Colors

XYZ(58.6074, 99.0750, 29.7371)

Have a look what the booklet for
XYZ(58.6074, 99.0750, 29.7371)
contains.

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Color

**XYZ(47.7216, 77.3859,
26.0575)**

Conversions

Conversions Part 1

Format	Color
Hex	83FF6A
RGB	131, 255, 106
RGB Percent	51%, 100%, 42%
CMY	0.4863, 0.0000, 0.5843
CMYK	0.49, 0.00, 0.58, 0.00
HSL	110°, 100%, 71%
HSV	110°, 58%, 100%
XYZ	47.7216, 77.3859, 26.0575
YIQ	200.9380, -26.0750, -72.6270

Conversions

Conversions Part 2

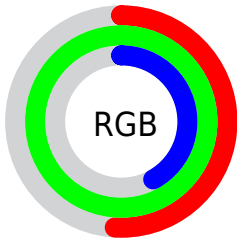
Format	Color
RYB	106, 255, 230
Decimal	8650602
CIELab	90.50, -61.65, 59.45
CIElCh	90, 85.640, 136.040
Yxy	77.3859, 0.3157, 0.5119
Android (android.graphics.Color)	4286840682 (0xFF83FF6A)
YUV	200.9380, -46.8044, -61.3356
Hunter-Lab	87.9693, -57.1134, 44.0161

Details

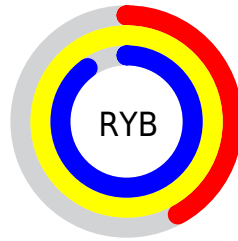
The XYZ color **47.7216, 77.3859, 26.0575** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **55.8389, 34.3527, 98.2954**, and the grayscale version is **55.7714, 58.6759, 63.8980**.

A 20% lighter version of the original color is **63.6789, 85.1696, 46.8014**, and **22.8567, 41.3561, 9.7955** is the 20% darker color. If you saturate the color by 10%, you get **43.6295, 75.4075, 19.9431**, and if you desaturate by 10%, it is **52.8816, 79.8693, 34.2816**.

Distribution



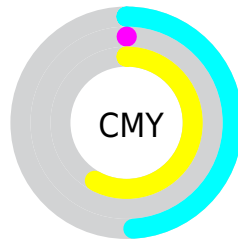
- Red (51%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (90%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7216, 77.3859, 26.0575 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 47.7216, 77.3859, 26.0575 by changing the saturation by 10% instead.


 47.7216, 77.3859,
26.0575


 47.7216, 77.3859,
26.0575


368.2885,
486.0788, 296.6787

 33.8168, 57.5697,
16.6405


 86.0020, 129.6841,
54.3529


 22.9151, 41.4628,
9.8193


 111.1082,
162.9348, 74.0684

 14.6512, 28.6809,
5.1753


 140.6790,
201.4325, 98.0538

 8.6597, 18.8395,
2.2899

 175.0797,
245.5615, 126.7277

 4.5752, 11.5544,
0.7256

214.6757,
295.7062, 160.5086

 2.0324, 6.4410,
0.0000

259.8322,

 0.6521, 3.1151,

352.2511, 199.8150

0.0000

310.9147,
415.5804, 245.0656

0.0000, 1.1921,
0.0000

0.0000, 0.0552,
0.0000

47.7216, 77.3859,
26.0575

47.7216, 77.3859,
26.0575

43.6295, 75.4075,
19.9431

52.8816, 79.8693,
34.2816

40.5271, 73.8978,
15.7427


59.1782, 82.8895,
44.7806


38.3258, 72.8164,
13.2304

66.6754, 86.4760,
57.7072

36.9137, 72.1122,
12.0885

75.4317, 90.6563,
73.2002

 36.7470, 72.0288,
11.9662

 85.5022, 95.4556,
91.3875

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.



62.7545, 77.3859, 14.1534



47.7216, 77.3859, 26.0575



40.3990, 77.3859, 58.8984

Triad

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



47.7216, 77.3859, 26.0575



64.0622, 77.3859, 258.2766



120.6344, 77.3859, 55.7016

Complementary

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



47.7216, 77.3859, 26.0575



55.8389, 34.3527, 98.2954

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.



121.1731, 77.3859, 116.0221



47.7216, 77.3859, 26.0575



85.5241, 77.3859, 255.9460

Square

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



47.7216, 77.3859, 26.0575



48.5180, 77.3859, 200.8062



107.3432, 77.3859, 195.4544



105.9892, 77.3859, 24.6977

Rectangle

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



47.7216, 77.3859, 26.0575



39.7404, 77.3859, 97.2847



107.3432, 77.3859, 195.4544



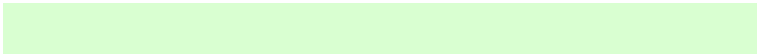
122.5556, 77.3859, 72.4532

Sweetspot

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



47.7219, 77.3860, 26.0587



75.8370, 90.8495, 73.9252



71.4983, 77.6139, 24.8495



15.6548, 19.1701, 14.7926



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.



47.7219, 77.3860, 26.0587



43.0789, 75.1403, 19.1620



47.4696, 76.8905, 42.5572



18.0555, 20.3145, 19.1138



19.2837, 37.6792, 6.2565



1.9533, 3.7077, 0.6127

Inverse Universe

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



55.8389, 34.3527, 98.2954



51.7373, 28.4743, 97.3770



57.7573, 36.1141, 63.4838



18.4760, 18.1371, 22.7770



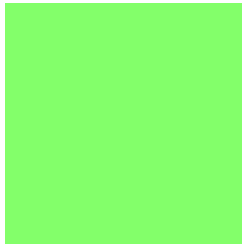
23.7624, 11.1605, 50.3363



2.3894, 1.1257, 4.9046

Previews

White Background



This preview shows how the XYZ color 47.7216, 77.3859, 26.0575 looks on a white background.

Color Contrast Check

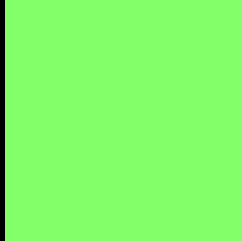
Large Text (above 18pt) WCAG AA × Fail

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 47.7216, 77.3859, 26.0575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

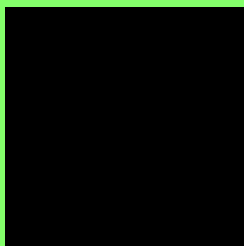
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

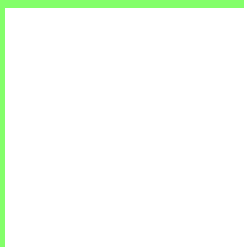
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7216, 77.3859, 26.0575

Background



This preview shows how black text looks on a background with the XYZ color 47.7216, 77.3859, 26.0575.

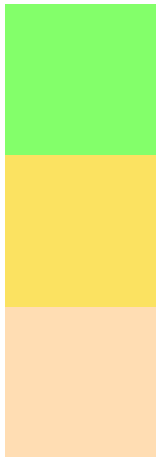


This preview shows how white text looks on a background with the XYZ color 47.7216, 77.3859,

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

47.7216, 77.3859, 26.0575

Protanopia

69.1377, 75.7650, 22.2894

Deuteranopia

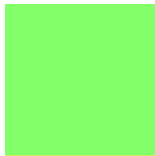
75.2331, 76.2276, 53.3960



Tritanopia

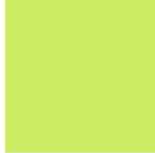
65.2021, 76.9151, 106.0173

Trichromacy



Original Color

47.7216, 77.3859, 26.0575



Protanomaly

58.3166, 74.7539, 23.4119



Deuteranomaly

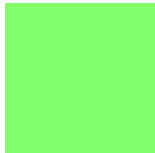
61.3848, 74.2465, 40.8014



Tritanomaly

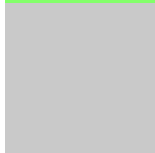
56.6036, 75.9863, 66.9418

Monochromacy



Original Color

47.7216, 77.3859, 26.0575



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

50.6439, 63.6962, 45.7018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7216, 77.3859, 26.0575 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(131, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 106) }
```

Border

The CSS property to change the border of an element to XYZ 47.7216, 77.3859, 26.0575 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(131, 255, 106) }
```


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

```
.border{ border-color:rgb(131, 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(131, 255, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 255, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 255, 106); box-shadow:4px 4px 4px 4px rgb(131, 255, 106) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7216, 77.3859, 26.0575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 106) }
```

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

```
.background{ background-color: rgb(131,  
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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