

Converting Colors

XYZ(47.4218, 77.2202, 22.1607)

Have a look what the booklet for
XYZ(47.4218, 77.2202, 22.1607)
contains.

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Color

**XYZ(47.4370, 77.3265,
22.0982)**

Conversions

Conversions Part 1

Format	Color
Hex	86FF5A
RGB	134, 255, 90
RGB Percent	53%, 100%, 35%
CMY	0.4745, 0.0000, 0.6470
CMYK	0.47, 0.00, 0.65, 0.00
HSL	104°, 100%, 68%
HSV	104°, 65%, 100%
XYZ	47.4370, 77.3265, 22.0982
YIQ	200.0110, -19.1510, -76.9670

Conversions

Conversions Part 2

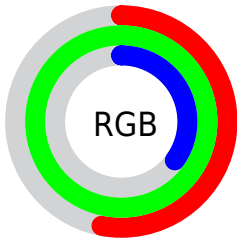
Format	Color
RYB	90, 255, 211
Decimal	8847194
CIELab	90.47, -62.32, 66.04
CIELCh	90, 90.801, 133.341
Yxy	77.3265, 0.3230, 0.5265
Android (android.graphics.Color)	4287037274 (0xFF86FF5A)
YUV	200.0110, -54.2354, -57.8916
Hunter-Lab	87.9355, -57.5949, 46.6553

Details

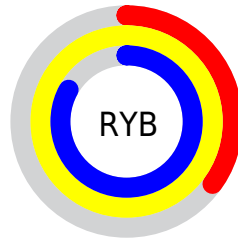
The XYZ color **47.4370, 77.3265, 22.0982** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **48.5720, 28.3829, 97.5262**, and the grayscale version is **55.2386, 58.1154, 63.2876**.

A 20% lighter version of the original color is **63.4540, 85.1974, 40.2945**, and **22.6785, 41.3092, 7.7555** is the 20% darker color. If you saturate the color by 10%, you get **43.8096, 75.5611, 17.2020**, and if you desaturate by 10%, it is **51.9642, 79.5127, 28.9812**.

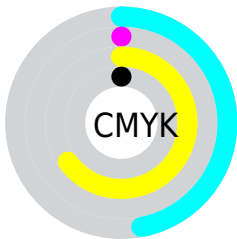
Distribution



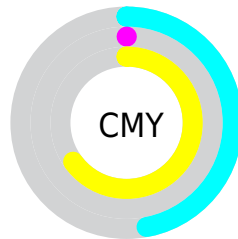
- Red (53%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (83%)



- Cyan (47%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4370, 77.3265, 22.0982 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 47.4370, 77.3265, 22.0982 by changing the saturation by 10% instead.


 47.4370, 77.3265,
22.0982

 47.4370, 77.3265,
22.0982


367.1760,
485.8765, 276.0289

 33.5906, 57.5209,
13.7301


 85.5803, 129.6003,
47.8125


 22.7407, 41.4236,
7.7966


 110.6080,
162.8372, 65.9958

 14.5218, 28.6502,
3.8791


 140.0936,
201.3200, 88.2878

 8.5686, 18.8164,
1.5593

 174.4023,
245.4332, 115.1072

 4.5157, 11.5377,
0.2615

213.8995,
295.5610, 146.8725

 1.9978, 6.4297,
0.0000

258.9506,

 0.6327, 3.1081,

352.0879, 184.0021

0.0000

309.9210,
415.3983, 226.9148

0.0000, 1.1884,
0.0000

0.0000, 0.0522,
0.0000

47.4370, 77.3265,
22.0982

47.4370, 77.3265,
22.0982

43.8096, 75.5611,
17.2020

51.9642, 79.5127,
28.9812

41.0135, 74.1859,
14.0776

57.4503, 82.1463,
38.0293

38.9695, 73.1658,
12.4666

63.9501, 85.2520,
49.4047

38.1435, 72.7487,
12.0315

71.5137, 88.8525,
63.2534

■ 80.1877, 92.9689,
79.7092

■ 90.0160, 97.6211,
98.8966

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.



63.8829, 77.3265, 11.7508



47.4370, 77.3265, 22.0982



39.1242, 77.3265, 53.2173

Triad

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



47.4370, 77.3265, 22.0982



61.6862, 77.3265, 269.5692



124.6403, 77.3265, 58.5318

Complementary

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



47.4370, 77.3265, 22.0982



48.5720, 28.3829, 97.5262

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.



123.7128, 77.3265, 125.3312



47.4370, 77.3265, 22.0982



84.0293, 77.3265, 273.6572

Square

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



47.4370, 77.3265, 22.0982



46.1154, 77.3265, 202.3505



107.6878, 77.3265, 211.6686



110.0086, 77.3265, 24.2623

Rectangle

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



47.4370, 77.3265, 22.0982



37.9815, 77.3265, 91.6883



107.6878, 77.3265, 211.6686



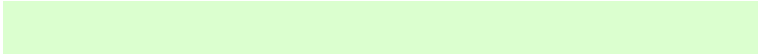
126.2156, 77.3265, 77.1223

Sweetspot

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



47.4373, 77.3266, 22.0994



76.3222, 91.1359, 72.3118



66.3803, 68.5875, 19.4141



15.8102, 19.2572, 14.4824



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.



47.4373, 77.3266, 22.0994



42.7996, 75.0663, 15.9877



43.9065, 75.2657, 32.8101



18.2258, 20.4023, 19.1218



20.0504, 38.0744, 6.2923



2.0505, 3.7578, 0.6173

Inverse Universe

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



48.5720, 28.3829, 97.5262



43.8165, 22.6096, 96.6625



57.3562, 33.5571, 68.7602



18.2924, 18.0425, 22.7684



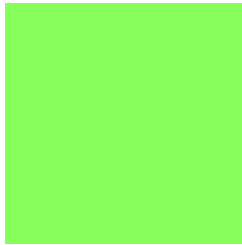
20.2896, 9.3702, 50.1738



2.0792, 0.9658, 4.8901

Previews

White Background



This preview shows how the XYZ color 47.4370, 77.3265, 22.0982 looks on a white background.

Color Contrast Check

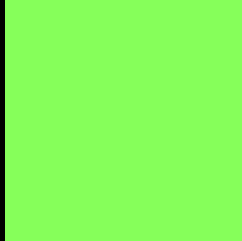
Large Text (above 18pt) WCAG AA × Fail

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 47.4370, 77.3265, 22.0982 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

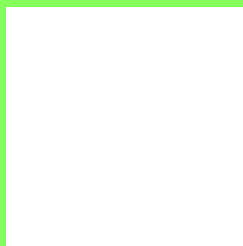
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4370, 77.3265, 22.0982

Background



This preview shows how black text looks on a background with the XYZ color 47.4370, 77.3265, 22.0982.

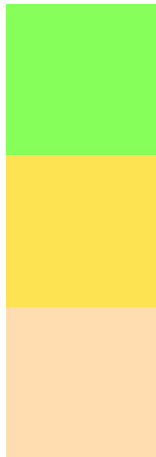


This preview shows how white text looks on a background with the XYZ color 47.4370, 77.3265,

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

47.4370, 77.3265, 22.0982

Protanopia

69.5001, 76.4300, 19.0721

Deuteranopia

75.0323, 76.1472, 52.3382



Tritanopia

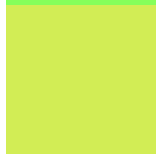
65.1288, 76.4463, 105.9307

Trichromacy



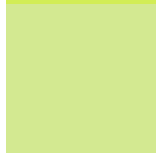
Original Color

47.4370, 77.3265, 22.0982



Protanomaly

58.5022, 74.9259, 19.9731



Deuteranomaly

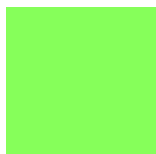
61.1137, 74.1710, 37.8835



Tritanomaly

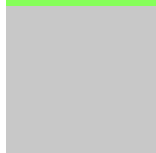
56.3016, 75.9106, 63.3146

Monochromacy



Original Color

47.4370, 77.3265, 22.0982



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

49.8429, 62.9546, 42.7822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4370, 77.3265, 22.0982 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(134, 255, 90)` looks like.

```
.text, #text, p{  
    color:rgb(134, 255, 90)  
}
```

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(134, 255, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 90) }
```

Border

The CSS property to change the border of an element to XYZ 47.4370, 77.3265, 22.0982 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(134, 255, 90) }
```


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

```
.border{ border-color:rgb(134, 255, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 255, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 255, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 255, 90);  
box-shadow:4px 4px 4px 4px rgb(134, 255,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4370, 77.3265, 22.0982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 255, 90) }
```

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

```
.background{ background-color: rgb(134,  
255, 90) }
```

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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