

Converting Colors

XYZ(47.4042, 77.2868, 23.1280)

Have a look what the booklet for
XYZ(47.4042, 77.2868, 23.1280)
contains.

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Color

**XYZ(47.4984, 77.3328,
23.2498)**

Conversions

Conversions Part 1

Format	Color
Hex	85FF5F
RGB	133, 255, 95
RGB Percent	52%, 100%, 37%
CMY	0.4784, 0.0000, 0.6274
CMYK	0.48, 0.00, 0.63, 0.00
HSL	106°, 100%, 69%
HSV	106°, 63%, 100%
XYZ	47.4984, 77.3328, 23.2498
YIQ	200.2820, -21.3520, -75.6240

Conversions

Conversions Part 2

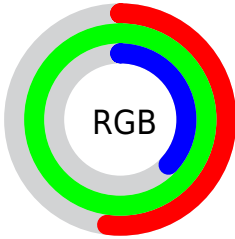
Format	Color
RYB	95, 255, 217
Decimal	8781663
CIELab	90.47, -62.16, 64.04
CIElCh	90, 89.245, 134.149
Yxy	77.3328, 0.3208, 0.5222
Android (android.graphics.Color)	4286971743 (0xFF85FF5F)
YUV	200.2820, -51.9040, -59.0063
Hunter-Lab	87.9391, -57.4804, 45.8819

Details

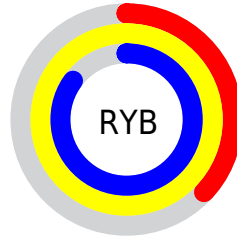
The XYZ color **47.4984, 77.3328, 23.2498** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **50.7595, 30.1578, 97.7535**, and the grayscale version is **55.3931, 58.2779, 63.4646**.

A 20% lighter version of the original color is **63.3382, 85.0918, 42.3642**, and **22.7239, 41.3191, 8.3678** is the 20% darker color. If you saturate the color by 10%, you get **43.7317, 75.5036, 17.9815**, and if you desaturate by 10%, it is **52.2131, 79.6067, 30.5441**.

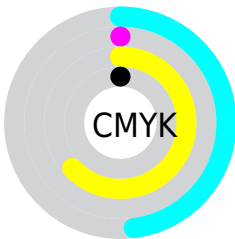
Distribution



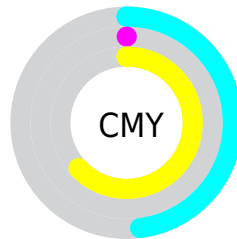
- Red (52%)
- Green (100%)
- Blue (37%)



- Red (37%)
- Yellow (100%)
- Blue (85%)



- Cyan (48%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4984, 77.3328, 23.2498 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 47.4984, 77.3328, 23.2498 by changing the saturation by 10% instead.


 47.4984, 77.3328,
23.2498


 47.4984, 77.3328,
23.2498

367.4162,
485.8980, 282.1688


 33.6394, 57.5261,
14.5710


 85.6713, 129.6092,
49.7316


 22.7783, 41.4277,
8.3756


 110.7160,
162.8476, 68.3716

 14.5497, 28.6535,
4.2450


 140.2199,
201.3320, 91.1692

 8.5882, 18.8188,
1.7607

 174.5485,
245.4468, 118.5429

 4.5285, 11.5394,
0.4018

214.0671,
295.5764, 150.9111

 2.0053, 6.4309,
0.0000

259.1410,

 0.6369, 3.1088,

352.1052, 188.6925

0.0000

310.1356,
415.4176, 232.3055

0.0000, 1.1888,
0.0000

0.0000, 0.0525,
0.0000

47.4984, 77.3328,
23.2498

47.4984, 77.3328,
23.2498

43.7317, 75.5036,
17.9815

52.2131, 79.6067,
30.5441

40.8422, 74.0874,
14.5311

57.9375, 82.3535,
40.0384

38.7490, 73.0478,
12.6515

64.7286, 85.5992,
51.8917

37.6573, 72.4981,
12.0088

72.6389, 89.3675,
66.2475

■ 81.7170, 93.6808,
83.2379

■ 92.0089, 98.5600,
102.9856

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.



63.5111, 77.3328, 12.4369



47.4984, 77.3328, 23.2498



39.4885, 77.3328, 54.9170

Triad

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



47.4984, 77.3328, 23.2498



62.4017, 77.3328, 266.1954



123.4140, 77.3328, 57.6094

Complementary

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



47.4984, 77.3328, 23.2498



50.7595, 30.1578, 97.7535

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.



122.9489, 77.3328, 122.3952



47.4984, 77.3328, 23.2498



84.4904, 77.3328, 268.2340

Square

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



47.4984, 77.3328, 23.2498



46.8285, 77.3328, 201.9715



107.5973, 77.3328, 206.6282



108.7624, 77.3328, 24.3606

Rectangle

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



47.4984, 77.3328, 23.2498



38.4938, 77.3328, 93.4036



107.5973, 77.3328, 206.6282



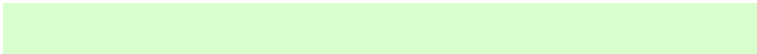
125.1005, 77.3328, 75.6260

Sweetspot

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



47.4986, 77.3328, 23.2510



75.8976, 90.9170, 72.2920



67.6065, 70.6878, 20.9085



15.7090, 19.2051, 14.4776



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.



47.4986, 77.3328, 23.2510



43.0056, 75.1491, 17.0519



44.8533, 75.7025, 35.1711



18.1753, 20.3763, 19.1194



19.7860, 37.9381, 6.2800



2.0186, 3.7414, 0.6158

Inverse Universe

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



50.7595, 30.1578, 97.7535



46.3291, 24.4992, 96.8947



57.5986, 34.3517, 67.8856



18.3463, 18.0703, 22.7709



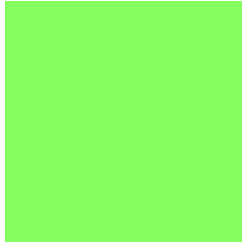
21.2559, 9.8683, 50.2190



2.1663, 1.0107, 4.8942

Previews

White Background



This preview shows how the XYZ color 47.4984, 77.3328, 23.2498 looks on a white background.

Color Contrast Check

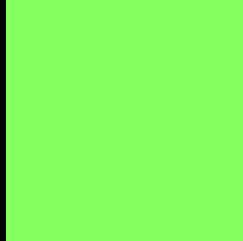
Large Text (above 18pt) WCAG AA × Fail

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 47.4984, 77.3328, 23.2498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

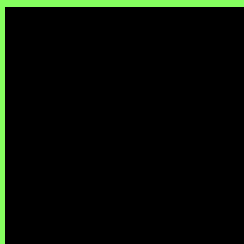
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4984, 77.3328, 23.2498

Background



This preview shows how black text looks on a background with the XYZ color 47.4984, 77.3328, 23.2498.

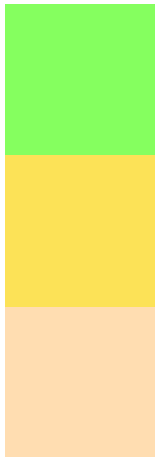


This preview shows how white text looks on a background with the XYZ color 47.4984, 77.3328, 23.2498.

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

47.4984, 77.3328, 23.2498

Protanopia

69.0615, 75.7763, 20.0032

Deuteranopia

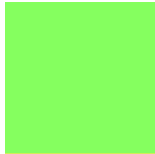
75.0323, 76.1472, 52.3382



Tritanopia

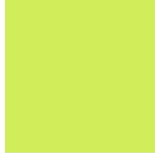
65.4191, 77.0270, 106.0275

Trichromacy



Original Color

47.4984, 77.3328, 23.2498



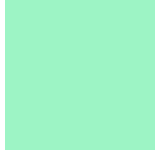
Protanomaly

58.4241, 74.8619, 21.0434



Deuteranomaly

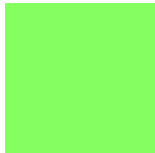
61.2693, 74.2333, 38.7030



Tritanomaly

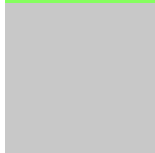
56.3334, 75.9007, 64.5045

Monochromacy



Original Color

47.4984, 77.3328, 23.2498



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.0193, 63.0251, 43.7112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4984, 77.3328, 23.2498 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(133, 255, 95)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 95)  
}
```

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(133, 255, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 95) }
```

Border

The CSS property to change the border of an element to XYZ 47.4984, 77.3328, 23.2498 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(133, 255, 95) }
```


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

```
.border{ border-color:rgb(133, 255, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 95);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4984, 77.3328, 23.2498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 95) }
```

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

```
.background{ background-color: rgb(133,  
255, 95) }
```

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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