

Converting Colors

XYZ(47.5009, 77.3375, 23.0963)

Have a look what the booklet for
XYZ(47.5009, 77.3375, 23.0963)
contains.

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Color

**XYZ(47.4532, 77.3147,
23.0119)**

Conversions

Conversions Part 1

Format	Color
Hex	85FF5E
RGB	133, 255, 94
RGB Percent	52%, 100%, 37%
CMY	0.4784, 0.0000, 0.6314
CMYK	0.48, 0.00, 0.63, 0.00
HSL	105°, 100%, 68%
HSV	105°, 63%, 100%
XYZ	47.4532, 77.3147, 23.0119
YIQ	200.1680, -21.0310, -75.9350

Conversions

Conversions Part 2

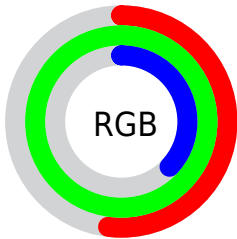
Format	Color
RYB	94, 255, 216
Decimal	8781662
CIELab	90.47, -62.25, 64.43
CIElCh	90, 89.591, 134.015
Yxy	77.3147, 0.3211, 0.5232
Android (android.graphics.Color)	4286971742 (0xFF85FF5E)
YUV	200.1680, -52.3408, -58.9063
Hunter-Lab	87.9288, -57.5429, 46.0333

Details

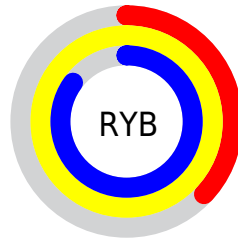
The XYZ color **47.4532, 77.3147, 23.0119** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **50.3737, 29.8261, 97.7098**, and the grayscale version is **55.3251, 58.2063, 63.3866**.

A 20% lighter version of the original color is **63.2573, 85.0595, 41.9383**, and **22.6950, 41.3075, 8.2158** is the 20% darker color. If you saturate the color by 10%, you get **43.7162, 75.4993, 17.8188**, and if you desaturate by 10%, it is **52.1297, 79.5707, 30.2234**.

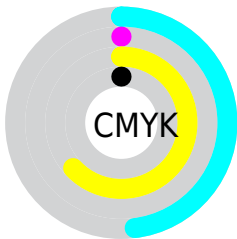
Distribution



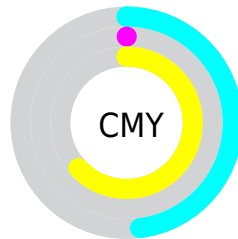
- Red (52%)
- Green (100%)
- Blue (37%)



- 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 47.4532, 77.3147, 23.0119 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 47.4532, 77.3147, 23.0119 by changing the saturation by 10% instead.


 47.4532, 77.3147,
23.0119


 47.4532, 77.3147,
23.0119


367.2394,
485.8363, 280.9100

 33.6035, 57.5112,
14.3969


 85.6043, 129.5836,
49.3363


 22.7506, 41.4158,
8.2553


 110.6365,
162.8178, 67.8828

 14.5292, 28.6441,
4.1687


 140.1269,
201.2977, 90.5769

 8.5738, 18.8118,
1.7183

 174.4409,
245.4077, 117.8371

 4.5191, 11.5344,
0.3732

213.9437,
295.5321, 150.0820

 1.9998, 6.4275,
0.0000

259.0009,

 0.6338, 3.1067,

352.0555, 187.7301

0.0000

309.9776,
415.3621, 231.1999

■ 0.0000, 1.1877,
0.0000

■ 0.0000, 0.0516,
0.0000

■ 47.4532, 77.3147,
23.0119

■ 47.4532, 77.3147,
23.0119

■ 43.7162, 75.4993,
17.8188

■ 52.1297, 79.5707,
30.2234

■ 40.8485, 74.0928,
14.4344

■ 57.8071, 82.2953,
39.6280

■ 38.7691, 73.0591,
12.6098

■ 64.5421, 85.5140,
51.3854

■ 37.7318, 72.5365,
12.0123

■ 72.3866, 89.2506,
65.6395

■ 81.3892, 93.5273,
82.5229

■ 91.5954, 98.3647,
102.1585

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.



63.5475, 77.3147, 12.2832



47.4532, 77.3147, 23.0119



39.3898, 77.3147, 54.5956

Triad

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



47.4532, 77.3147, 23.0119



62.2585, 77.3147, 266.9701



123.6525, 77.3147, 57.7217

Complementary

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



47.4532, 77.3147, 23.0119



50.3737, 29.8261, 97.7098

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.



123.1112, 77.3147, 122.8947



47.4532, 77.3147, 23.0119



84.4086, 77.3147, 269.3456

Square

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



47.4532, 77.3147, 23.0119



46.6755, 77.3147, 202.1584



107.6309, 77.3147, 207.5822



108.9866, 77.3147, 24.2978

Rectangle

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



47.4532, 77.3147, 23.0119



38.3702, 77.3147, 93.1104



107.6309, 77.3147, 207.5822



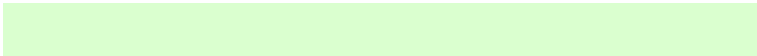
125.3229, 77.3147, 75.8445

Sweetspot

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



47.4534, 77.3148, 23.0131



75.9663, 90.9524, 72.2952



67.4978, 70.5425, 20.6494



15.7254, 19.2135, 14.4784



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.



47.4534, 77.3148, 23.0131



42.8091, 75.0560, 16.6742



44.6974, 75.6283, 34.8891



18.1835, 20.3805, 19.1198



19.8267, 37.9591, 6.2819



2.0236, 3.7440, 0.6160

Inverse Universe

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



50.3737, 29.8261, 97.7098



45.7587, 23.9974, 96.8280



57.4770, 34.1598, 67.6867



18.3375, 18.0657, 22.7705



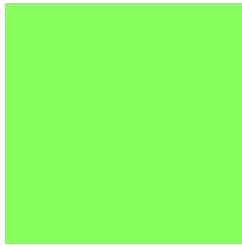
21.0958, 9.7857, 50.2116



2.1519, 1.0032, 4.8935

Previews

White Background



This preview shows how the XYZ color 47.4532, 77.3147, 23.0119 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 47.4532, 77.3147, 23.0119 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

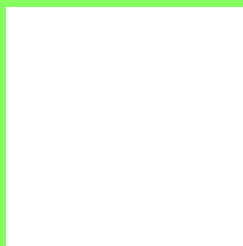
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4532, 77.3147, 23.0119

Background



This preview shows how black text looks on a background with the XYZ color 47.4532, 77.3147, 23.0119.

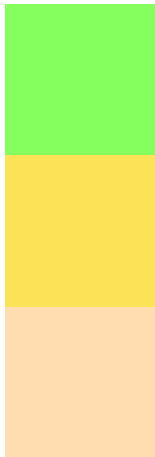


This preview shows how white text looks on a background with the XYZ color 47.4532, 77.3147,

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

47.4532, 77.3147, 23.0119

Protanopia

69.0210, 75.7600, 19.7895

Deuteranopia

75.0323, 76.1472, 52.3382



Tritanopia

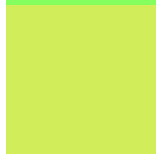
65.4191, 77.0270, 106.0275

Trichromacy



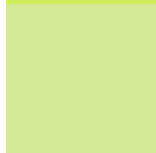
Original Color

47.4532, 77.3147, 23.0119



Protanomaly

58.3819, 74.8450, 20.8207



Deuteranomaly

61.2693, 74.2333, 38.7030



Tritanomaly

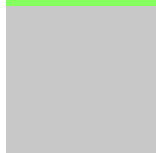
56.2191, 75.8550, 63.9030

Monochromacy



Original Color

47.4532, 77.3147, 23.0119



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

49.9307, 62.9897, 43.2448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4532, 77.3147, 23.0119 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 94) }
```

Border

The CSS property to change the border of an element to XYZ 47.4532, 77.3147, 23.0119 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, 94) }
```


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

```
.border{ border-color:rgb(133, 255, 94) }
```

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, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 94);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4532, 77.3147, 23.0119 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, 94) }
```

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

```
.background{ background-color: rgb(133,  
255, 94) }
```

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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