

Converting Colors

XYZ(53.5975, 88.8986, 24.5476)

Have a look what the booklet for
XYZ(53.5975, 88.8986, 24.5476)
contains.

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Color

**XYZ(47.8451, 77.5269,
22.5677)**

Conversions

Conversions Part 1

Format	Color
Hex	88FF5C
RGB	136, 255, 92
RGB Percent	53%, 100%, 36%
CMY	0.4667, 0.0000, 0.6392
CMYK	0.47, 0.00, 0.64, 0.00
HSL	104°, 100%, 68%
HSV	104°, 64%, 100%
XYZ	47.8451, 77.5269, 22.5677
YIQ	200.8370, -18.6010, -75.9210

Conversions

Conversions Part 2

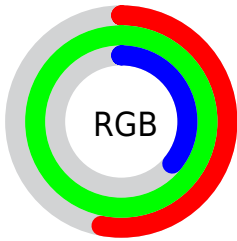
Format	Color
RYB	92, 255, 211
Decimal	8978268
CIELab	90.56, -61.58, 65.37
CIELCh	91, 89.809, 133.291
Yxy	77.5269, 0.3234, 0.5240
Android (android.graphics.Color)	4287168348 (0xFF88FF5C)
YUV	200.8370, -53.6566, -56.8620
Hunter-Lab	88.0494, -57.0914, 46.4381

Details

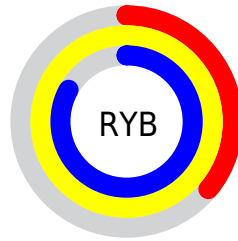
The XYZ color **47.8451, 77.5269, 22.5677** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **48.7429, 28.7248, 97.5831**, and the grayscale version is **55.7466, 58.6498, 63.8696**.

A 20% lighter version of the original color is **63.8702, 85.3939, 41.1333**, and **22.9482, 41.4427, 8.0180** is the 20% darker color. If you saturate the color by 10%, you get **44.1460, 75.7278, 17.5229**, and if you desaturate by 10%, it is **52.4449, 79.7470, 29.6143**.

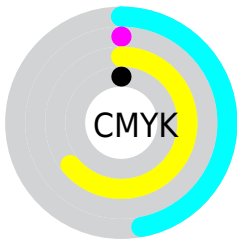
Distribution



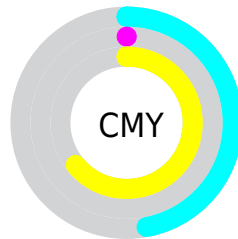
- Red (53%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (83%)



- Cyan (47%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8451, 77.5269, 22.5677 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 47.8451, 77.5269, 22.5677 by changing the saturation by 10% instead.


 47.8451, 77.5269,
22.5677


 47.8451, 77.5269,
22.5677


368.7706,
486.5586, 278.5464

 33.9150, 57.6854,
14.0723


 86.1848, 129.8830,
48.5967


 22.9909, 41.5558,
8.0317


 111.3251,
163.1664, 66.9674

 14.7074, 28.7536,
4.0272


 140.9329,
201.6992, 89.4669

 8.6993, 18.8945,
1.6403

 175.3734,
245.8659, 116.5138

 4.6011, 11.5941,
0.3193

215.0121,
296.0507, 148.5267

 2.0475, 6.4679,
0.0000

260.2143,

 0.6604, 3.1316,

352.6382, 185.9241

0.0000

311.3454,
416.0127, 229.1244

0.0000, 1.2008,
0.0000

0.0000, 0.0624,
0.0000

47.8451, 77.5269,
22.5677

47.8451, 77.5269,
22.5677

44.1460, 75.7278,
17.5229

52.4449, 79.7470,
29.6143

41.2804, 74.3196,
14.2677

58.0038, 82.4143,
38.8391

39.1707, 73.2679,
12.5487

64.5757, 85.5531,
50.4029

38.2021, 72.7790,
12.0343

72.2102, 89.1858,
64.4506

■ 80.9533, 93.3332,
81.1154

■ 90.8483, 98.0151,
100.5209

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.



64.1902, 77.5269, 12.1651



47.8451, 77.5269, 22.5677



39.5579, 77.5269, 53.5912

Triad

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



47.8451, 77.5269, 22.5677



61.9455, 77.5269, 267.1413



124.2639, 77.5269, 59.0337

Complementary

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



47.8451, 77.5269, 22.5677



48.7429, 28.7248, 97.5831

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.



123.3210, 77.5269, 125.2395



47.8451, 77.5269, 22.5677



84.0771, 77.5269, 271.2816

Square

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



47.8451, 77.5269, 22.5677



46.4912, 77.5269, 200.9231



107.4761, 77.5269, 210.3746



109.8377, 77.5269, 24.8044

Rectangle

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



47.8451, 77.5269, 22.5677



38.4108, 77.5269, 91.7212



107.4761, 77.5269, 210.3746



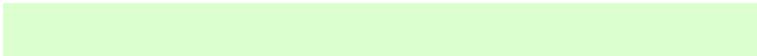
125.8095, 77.5269, 77.5049

Sweetspot

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



47.8454, 77.5271, 22.5689



76.3701, 91.1606, 72.3141



65.9279, 67.5445, 19.6890



15.8216, 19.2631, 14.4829



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.



47.8454, 77.5271, 22.5689



43.1778, 75.2539, 16.3400



44.0258, 75.3363, 32.4094



18.2315, 20.4052, 19.1220



20.0821, 38.0908, 6.2938



2.0542, 3.7597, 0.6174

Inverse Universe

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



48.7429, 28.7248, 97.5831



43.9536, 22.8689, 96.7053



57.9441, 34.0658, 71.0126



18.2864, 18.0394, 22.7681



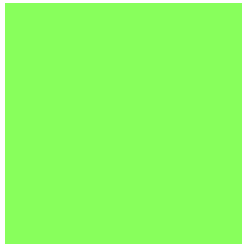
20.1842, 9.3158, 50.1689



2.0696, 0.9609, 4.8897

Previews

White Background



This preview shows how the XYZ color 47.8451, 77.5269, 22.5677 looks on a white background.

Color Contrast Check

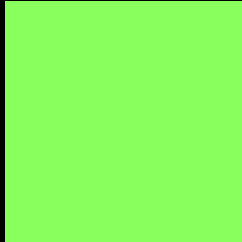
Large Text (above 18pt) WCAG AA × Fail

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 47.8451, 77.5269, 22.5677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

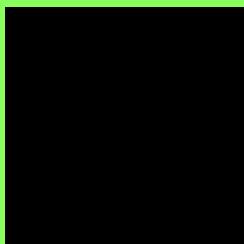
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

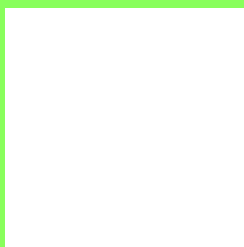
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8451, 77.5269, 22.5677

Background



This preview shows how black text looks on a background with the XYZ color 47.8451, 77.5269, 22.5677.



This preview shows how white text looks on a background with the XYZ color 47.8451, 77.5269,

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

47.8451, 77.5269, 22.5677

Protanopia

69.5773, 76.4609, 19.4788

Deuteranopia

75.1323, 76.1873, 52.8652



Tritanopia

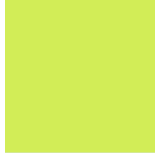
65.8581, 77.2533, 106.0480

Trichromacy



Original Color

47.8451, 77.5269, 22.5677



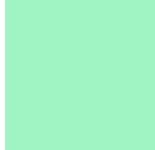
Protanomaly

58.5828, 74.9581, 20.3975



Deuteranomaly

61.5568, 74.3815, 38.7164



Tritanomaly

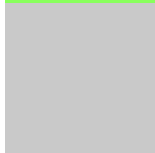
56.8117, 76.1605, 63.9307

Monochromacy



Original Color

47.8451, 77.5269, 22.5677



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

50.4209, 63.6332, 43.3432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8451, 77.5269, 22.5677 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(136, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 92)  
}
```

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(136, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 92) }
```

Border

The CSS property to change the border of an element to XYZ 47.8451, 77.5269, 22.5677 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(136, 255, 92) }
```


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

```
.border{ border-color:rgb(136, 255, 92) }
```

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

Here you see how a box with a 4 pixel rgb(136, 255, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8451, 77.5269, 22.5677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 92) }
```

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

```
.background{ background-color: rgb(136,  
255, 92) }
```

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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