

Converting Colors

XYZ(48.9075, 77.8891, 30.9990)

Have a look what the booklet for
XYZ(48.9075, 77.8891, 30.9990)
contains.

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Color

**XYZ(48.9457, 77.9117,
30.8711)**

Conversions

Conversions Part 1

Format	Color
Hex	85FF7A
RGB	133, 255, 122
RGB Percent	52%, 100%, 48%
CMY	0.4784, 0.0000, 0.5216
CMYK	0.48, 0.00, 0.52, 0.00
HSL	115°, 100%, 74%
HSV	115°, 52%, 100%
XYZ	48.9457, 77.9117, 30.8711
YIQ	203.3600, -30.0190, -67.2270

Conversions

Conversions Part 2

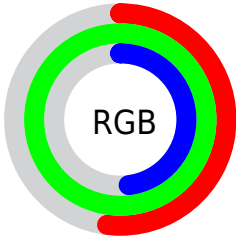
Format	Color
RYB	122, 255, 244
Decimal	8781690
CIELab	90.74, -59.31, 52.64
CIELCh	91, 79.307, 138.409
Yxy	77.9117, 0.3103, 0.4940
Android (android.graphics.Color)	4286971770 (0xFF85FF7A)
YUV	203.3600, -40.1105, -61.7057
Hunter-Lab	88.2676, -55.4874, 41.0510

Details

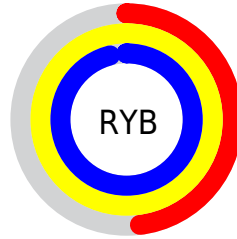
The XYZ color **48.9457, 77.9117, 30.8711** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **62.3193, 40.3736, 99.1160**, and the grayscale version is **57.2489, 60.2303, 65.5908**.

A 20% lighter version of the original color is **65.6881, 86.0318, 54.7386**, and **23.6390, 41.7018, 12.4336** is the 20% darker color. If you saturate the color by 10%, you get **44.2764, 75.6638, 23.4593**, and if you desaturate by 10%, it is **54.8524, 80.7495, 40.5066**.

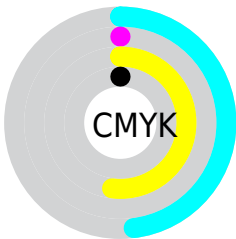
Distribution



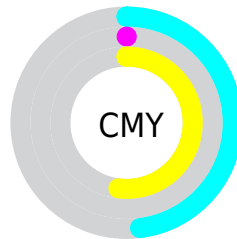
- Red (52%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (96%)



- Cyan (48%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9457, 77.9117, 30.8711 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 48.9457, 77.9117, 30.8711 by changing the saturation by 10% instead.


 48.9457, 77.9117,
30.8711


 48.9457, 77.9117,
30.8711


373.0490,
487.8669, 320.2768


 34.7908, 58.0014,
20.2431


 87.8120, 130.4256,
62.1143

 23.6675, 41.8098,
12.3860


 113.2541,
163.7981, 83.5665

 15.2106, 28.9524,
6.8814


 143.1893,
202.4268, 109.4639

 9.0546, 19.0448,
3.3107

177.9829,
246.6960, 140.2249

 4.8342, 11.7027,
1.2554

218.0003,
296.9903, 176.2682

 2.1841, 6.5416,
0.0248

263.6069,

 0.7343, 3.1771,

353.6939, 218.0123

0.0000

315.1680,
417.1913, 265.8756

0.0000, 1.2249,
0.0000

0.0000, 0.0819,
0.0000

48.9457, 77.9117,
30.8711

48.9457, 77.9117,
30.8711

44.2764, 75.6638,
23.4593

54.8524, 80.7495,
40.5066

40.7553, 73.9637,
18.0903


62.0752, 84.2146,
52.5204


38.2822, 72.7644,
14.5610

70.6876, 88.3416,
67.0572

36.7395, 72.0104,
12.6250

80.7571, 93.1625,
84.2494

 36.0711, 71.6804,
11.9346

 92.3469, 98.7073,
104.2202

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.



62.6055, 77.9117, 17.5219



48.9457, 77.9117, 30.8711



42.5171, 77.9117, 64.6503

Triad

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



48.9457, 77.9117, 30.8711



66.6221, 77.9117, 244.0050



116.6541, 77.9117, 54.6972

Complementary

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



48.9457, 77.9117, 30.8711



62.3193, 40.3736, 99.1160

Split Complementary

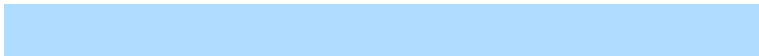
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



118.2574, 77.9117, 108.8306



48.9457, 77.9117, 30.8711



86.8166, 77.9117, 237.2402

Square

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



48.9457, 77.9117, 30.8711



51.4304, 77.9117, 196.1344



106.5445, 77.9117, 180.4447



102.4923, 77.9117, 26.4042

Rectangle

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



48.9457, 77.9117, 30.8711



42.2626, 77.9117, 101.9038



106.5445, 77.9117, 180.4447



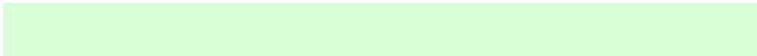
118.7625, 77.9117, 69.7831

Sweetspot

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



48.9460, 77.9118, 30.8723



76.7092, 91.2250, 77.3175



77.0788, 87.3166, 31.2049



15.9745, 19.3131, 15.7903



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

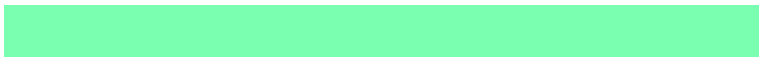
The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.9460, 77.9118, 30.8723



43.9360, 75.4997, 22.9294



51.7642, 78.8489, 54.3053



17.9107, 20.2399, 19.1070



18.8959, 37.4793, 6.2383



1.8853, 3.6727, 0.6095

Inverse Universe

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



62.3193, 40.3736, 99.1160



58.6047, 34.1149, 98.1038



58.5768, 39.3307, 58.8938



18.6358, 18.2195, 22.7845



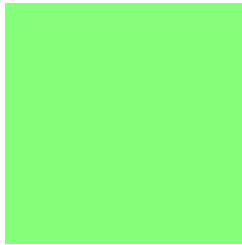
27.2088, 12.9372, 50.4976



2.6912, 1.2813, 4.9187

Previews

White Background



This preview shows how the XYZ color 48.9457, 77.9117, 30.8711 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 48.9457, 77.9117, 30.8711 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 48.9457, 77.9117, 30.8711

Background



This preview shows how black text looks on a background with the XYZ color 48.9457, 77.9117, 30.8711.

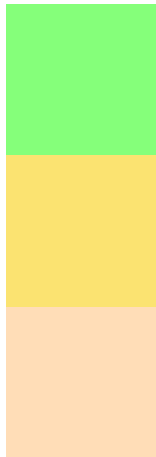


This preview shows how white text looks on a background with the XYZ color 48.9457, 77.9117,

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

48.9457, 77.9117, 30.8711

Protanopia

70.2334, 76.6397, 26.7140

Deuteranopia

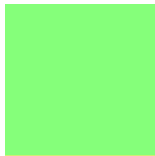
75.6437, 76.3918, 55.5580



Tritanopia

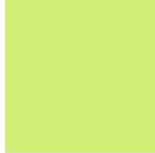
65.6378, 77.1397, 106.0377

Trichromacy



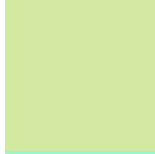
Original Color

48.9457, 77.9117, 30.8711



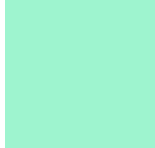
Protanomaly

59.4490, 75.2392, 27.9123



Deuteranomaly

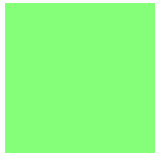
62.4359, 74.6999, 44.8460



Tritanomaly

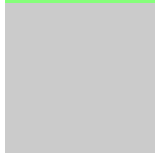
57.7137, 76.4755, 70.7509

Monochromacy



Original Color

48.9457, 77.9117, 30.8711



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.1214, 64.7635, 49.7979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9457, 77.9117, 30.8711 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 122) }
```

Border

The CSS property to change the border of an element to XYZ 48.9457, 77.9117, 30.8711 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, 122) }
```


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

```
.border{ border-color:rgb(133, 255, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9457, 77.9117, 30.8711 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, 122) }
```

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

```
.background{ background-color: rgb(133,  
255, 122) }
```

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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