

Converting Colors

XYZ(48.5031, 77.6806, 30.9801)

Have a look what the booklet for
XYZ(48.5031, 77.6806, 30.9801)
contains.

XYZ(48.4788, 77.6710, 30.8493)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.4788, 77.6710,
30.8493)**

Conversions

Conversions Part 1

Format	Color
Hex	82FF7A
RGB	130, 255, 122
RGB Percent	51%, 100%, 48%
CMY	0.4902, 0.0000, 0.5216
CMYK	0.49, 0.00, 0.52, 0.00
HSL	116°, 100%, 74%
HSV	116°, 52%, 100%
XYZ	48.4788, 77.6710, 30.8493
YIQ	202.4630, -31.8070, -67.8630

Conversions

Conversions Part 2

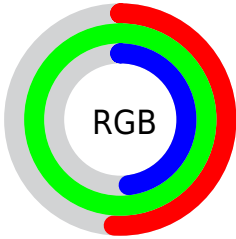
Format	Color
RYB	122, 255, 247
Decimal	8585082
CIELab	90.63, -60.12, 52.49
CIELCh	91, 79.806, 138.878
Yxy	77.6710, 0.3088, 0.4947
Android (android.graphics.Color)	4286775162 (0xFF82FF7A)
YUV	202.4630, -39.6683, -63.5501
Hunter-Lab	88.1312, -56.0410, 40.9380

Details

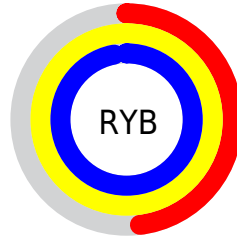
The XYZ color **48.4788, 77.6710, 30.8493** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **63.3689, 40.9147, 99.1652**, and the grayscale version is **56.6829, 59.6348, 64.9423**.

A 20% lighter version of the original color is **64.9310, 85.6415, 54.7032**, and **23.3552, 41.5555, 12.4203** is the 20% darker color. If you saturate the color by 10%, you get **43.8425, 75.4401, 23.4390**, and if you desaturate by 10%, it is **54.3863, 80.5093, 40.4849**.

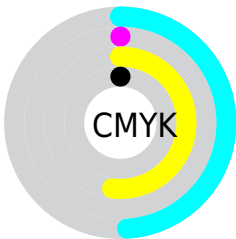
Distribution



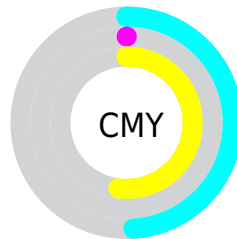
- Red (51%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (97%)



- Cyan (49%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4788, 77.6710, 30.8493 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 48.4788, 77.6710, 30.8493 by changing the saturation by 10% instead.


 48.4788, 77.6710,
30.8493


 48.4788, 77.6710,
30.8493


371.2379,
487.0488, 320.1731


 34.4190, 57.8038,
20.2266


 87.1223, 130.0862,
62.0795

 23.3801, 41.6509,
12.3742


 112.4367,
163.4030, 83.5241

 14.9967, 28.8280,
6.8734


 142.2333,
201.9718, 109.4132

 8.9033, 18.9508,
3.3058

176.8776,
246.1769, 140.1651

 4.7348, 11.6347,
1.2528

216.7348,
296.4027, 176.1986

 2.1257, 6.4955,
0.0227

262.1704,

 0.7031, 3.1486,

353.0337, 217.9320

0.0000

313.5496,
416.4543, 265.7840

0.0000, 1.2098,
0.0000

0.0000, 0.0697,
0.0000

48.4788, 77.6710,
30.8493

48.4788, 77.6710,
30.8493

43.8425, 75.4401,
23.4390

54.3863, 80.5093,
40.4849

40.3830, 73.7718,
18.0729


61.6482, 83.9945,
52.5005


37.9942, 72.6159,
14.5476

70.3416, 88.1632,
67.0411

36.5504, 71.9129,
12.6162

80.5376, 93.0494,
84.2393

 35.9625, 71.6244,
11.9295

 92.3026, 98.6844,
104.2182

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.



62.0674, 77.6710, 17.3033



48.4788, 77.6710, 30.8493



42.1541, 77.6710, 65.0548

Triad

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



48.4788, 77.6710, 30.8493



66.6515, 77.6710, 245.2021



116.5171, 77.6710, 53.7067

Complementary

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



48.4788, 77.6710, 30.8493



63.3689, 40.9147, 99.1652

Split Complementary

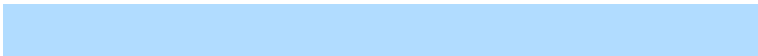
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



118.3516, 77.6710, 107.6442



48.4788, 77.6710, 30.8493



86.9786, 77.6710, 237.4457

Square

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



48.4788, 77.6710, 30.8493



51.3110, 77.6710, 197.6238



106.7476, 77.6710, 179.6488



102.1132, 77.6710, 25.7780

Rectangle

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



48.4788, 77.6710, 30.8493



41.9744, 77.6710, 102.7317



106.7476, 77.6710, 179.6488



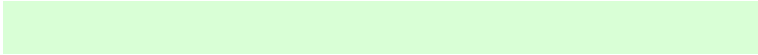
118.7102, 77.6710, 68.6868

Sweetspot

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



48.4791, 77.6711, 30.8505



76.4355, 91.0839, 77.3047



77.7495, 88.6581, 31.4285



15.9103, 19.2801, 15.7873



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.



48.4791, 77.6711, 30.8505



43.5062, 75.2781, 22.9093



51.9877, 78.9383, 55.4822



17.8726, 20.2202, 19.1052



18.8301, 37.4453, 6.2352



1.8673, 3.6634, 0.6087

Inverse Universe

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



63.3689, 40.9147, 99.1652



59.8589, 34.7615, 98.1625



58.3203, 39.2281, 57.5428



18.6784, 18.2415, 22.7864



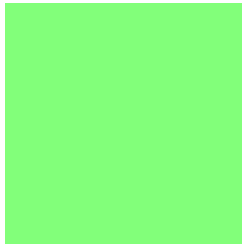
28.1958, 13.4460, 50.5438



2.7768, 1.3254, 4.9227

Previews

White Background



This preview shows how the XYZ color 48.4788, 77.6710, 30.8493 looks on a white background.

Color Contrast Check

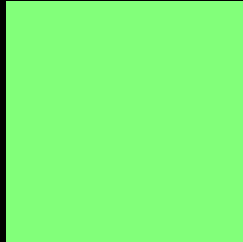
Large Text (above 18pt) WCAG AA × Fail

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 48.4788, 77.6710, 30.8493 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 48.4788, 77.6710, 30.8493

Background



This preview shows how black text looks on a background with the XYZ color 48.4788, 77.6710, 30.8493.

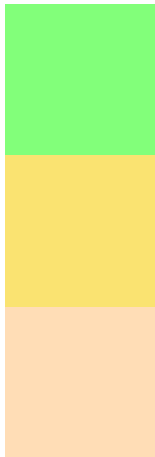


This preview shows how white text looks on a background with the XYZ color 48.4788, 77.6710,

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

48.4788, 77.6710, 30.8493

Protanopia

69.8741, 76.4544, 26.6972

Deuteranopia

75.5399, 76.3503, 55.0117



Tritanopia

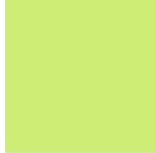
65.2021, 76.9151, 106.0173

Trichromacy



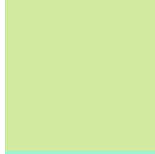
Original Color

48.4788, 77.6710, 30.8493



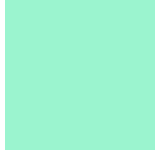
Protanomaly

58.8902, 74.9511, 27.8862



Deuteranomaly

62.0624, 74.5175, 44.3700



Tritanomaly

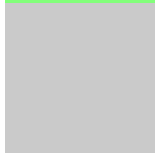
57.1307, 76.1749, 70.7236

Monochromacy



Original Color

48.4788, 77.6710, 30.8493



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.3038, 63.9601, 49.1767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4788, 77.6710, 30.8493 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(130, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(130, 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(130, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 122) }
```

Border

The CSS property to change the border of an element to XYZ 48.4788, 77.6710, 30.8493 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(130, 255, 122) }
```


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

```
.border{ border-color:rgb(130, 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(130, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4788, 77.6710, 30.8493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 122) }
```

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

```
.background{ background-color: rgb(130,  
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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