

Converting Colors

XYZ(70.9953, 121.9060,
43.3877)

Have a look what the booklet for
XYZ(70.9953, 121.9060, 43.3877)
contains.

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Color

**XYZ(48.8795, 77.7618,
36.1002)**

Conversions

Conversions Part 1

Format	Color
Hex	7EFF89
RGB	126, 255, 137
RGB Percent	49%, 100%, 54%
CMY	0.5059, 0.0000, 0.4627
CMYK	0.51, 0.00, 0.46, 0.00
HSL	125°, 100%, 75%
HSV	125°, 51%, 100%
XYZ	48.8795, 77.7618, 36.1002
YIQ	202.9770, -39.0060, -64.0460

Conversions

Conversions Part 2

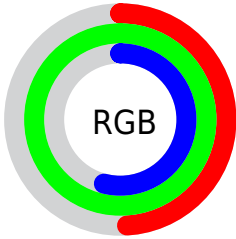
Format	Color
RYB	126, 245, 255
Decimal	8322953
CIELab	90.67, -59.20, 45.49
CIELCh	91, 74.660, 142.460
Yxy	77.7618, 0.3004, 0.4778
Android (android.graphics.Color)	4286513033 (0xFF7EFF89)
YUV	202.9770, -32.5267, -67.5088
Hunter-Lab	88.1827, -55.3774, 37.4557

Details

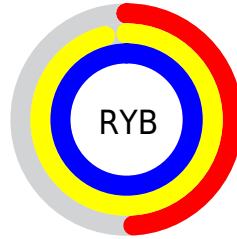
The XYZ color **48.8795, 77.7618, 36.1002** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **65.0297, 42.7134, 90.4030**, and the grayscale version is **56.9654, 59.9321, 65.2660**.

A 20% lighter version of the original color is **65.5241, 85.7649, 62.9700**, and **23.5531, 41.5967, 15.1751** is the 20% darker color. If you saturate the color by 10%, you get **44.0900, 75.4655, 28.0662**, and if you desaturate by 10%, it is **54.9895, 80.6969, 46.0863**.

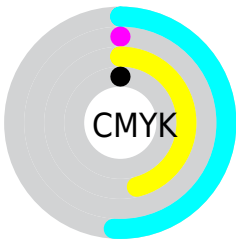
Distribution



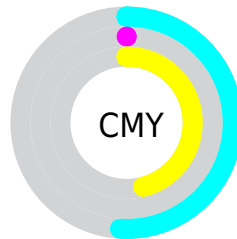
- Red (49%)
- Green (100%)
- Blue (54%)



- Red (49%)
- Yellow (96%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8795, 77.7618, 36.1002 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 48.8795, 77.7618, 36.1002 by changing the saturation by 10% instead.


 48.8795, 77.7618,
36.1002


 48.8795, 77.7618,
36.1002


372.7926,
487.3575, 344.4489


 34.7380, 57.8783,
24.2213


 87.7143, 130.2143,
70.3575

 23.6267, 41.7108,
15.2841


 113.1383,
163.5521, 93.5729

 15.1802, 28.8749,
8.8702


 143.0538,
202.1434, 121.4043

 9.0331, 18.9862,
4.5610

177.8263,
246.3728, 154.2701

 4.8201, 11.6603,
1.9379

217.8211,
296.6244, 192.5890

 2.1757, 6.5128,
0.5167

263.4035,

 0.7299, 3.1593,

353.2828, 236.7794

0.0000

314.9389,
416.7324, 287.2598

0.0000, 1.2155,
0.0000

0.0000, 0.0743,
0.0000

48.8795, 77.7618,
36.1002

48.8795, 77.7618,
36.1002

44.0900, 75.4655,
28.0662

54.9895, 80.6969,
46.0863

40.5222, 73.7601,
21.8532

62.5070, 84.3134,
58.1367

38.0649, 72.5911,
17.3198

71.5127, 88.6504,
72.3598

36.5858, 71.8938,
14.3023

82.0807, 93.7443,
88.8549

■ 35.9024, 71.5770,
12.6699

94.2805, 99.6287,
107.7155

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.



60.9909, 77.7618, 20.6561



48.8795, 77.7618, 36.1002



43.6547, 77.7618, 71.8471

Triad

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



48.8795, 77.7618, 36.1002



69.2859, 77.7618, 233.5471



112.4261, 77.7618, 51.0695

Complementary

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



48.8795, 77.7618, 36.1002



65.0297, 42.7134, 90.4030

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.



115.6571, 77.7618, 98.9330



48.8795, 77.7618, 36.1002



88.5362, 77.7618, 220.1804

Square

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



48.8795, 77.7618, 36.1002



54.0713, 77.7618, 195.5726



106.2926, 77.7618, 164.3194



98.0902, 77.7618, 26.4019

Rectangle

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



48.8795, 77.7618, 36.1002



44.0336, 77.7618, 108.9226



106.2926, 77.7618, 164.3194



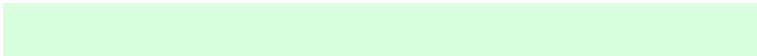
114.9351, 77.7618, 64.3134

Sweetspot

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



48.8799, 77.7619, 36.1014



77.2209, 91.4014, 81.2910



76.9210, 92.3042, 33.5012



16.0551, 19.3355, 16.6604



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.



48.8799, 77.7619, 36.1014



43.9196, 75.3840, 27.7752



54.9364, 80.1845, 67.9945



17.8344, 20.1933, 19.4312



18.7812, 37.4091, 6.7333



1.8491, 3.6506, 0.7633

Inverse Universe

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



65.0297, 42.7134, 90.4030



61.7315, 36.6640, 87.6175



56.9137, 39.4670, 47.6650



18.7219, 18.2721, 22.4186



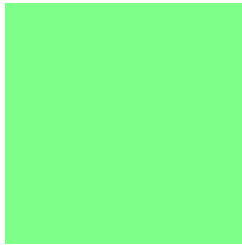
29.2806, 14.2015, 41.7234



2.8698, 1.3903, 4.1619

Previews

White Background



This preview shows how the XYZ color 48.8795, 77.7618, 36.1002 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 48.8795, 77.7618, 36.1002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

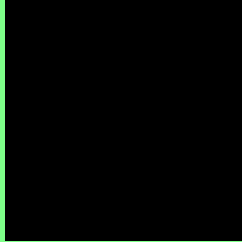
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

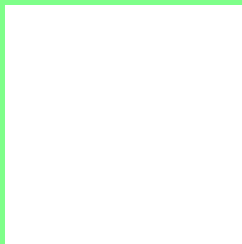
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8795, 77.7618, 36.1002

Background



This preview shows how black text looks on a background with the XYZ color 48.8795, 77.7618, 36.1002.

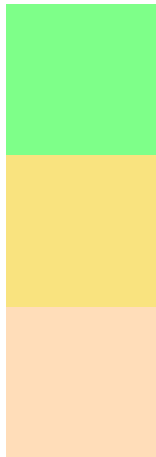


This preview shows how white text looks on a background with the XYZ color 48.8795, 77.7618,

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

48.8795, 77.7618, 36.1002

Protanopia

70.3668, 76.6102, 31.1572

Deuteranopia

75.8534, 76.4757, 56.6623



Tritanopia

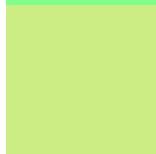
65.2787, 77.3880, 106.1046

Trichromacy



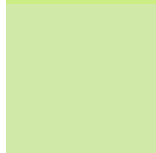
Original Color

48.8795, 77.7618, 36.1002



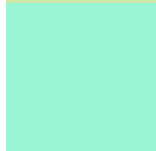
Protanomaly

59.2828, 75.0444, 32.8332



Deuteranomaly

62.2192, 74.5149, 48.1493



Tritanomaly

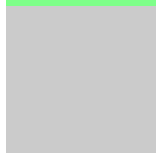
57.6729, 76.8306, 74.0775

Monochromacy



Original Color

48.8795, 77.7618, 36.1002



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

51.9372, 64.6112, 52.3817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8795, 77.7618, 36.1002 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(126, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 137)  
}
```

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(126, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 137) }
```

Border

The CSS property to change the border of an element to XYZ 48.8795, 77.7618, 36.1002 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(126, 255, 137) }
```


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

```
.border{ border-color:rgb(126, 255, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8795, 77.7618, 36.1002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 137) }
```

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

```
.background{ background-color: rgb(126,  
255, 137) }
```

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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