

Converting Colors

XYZ(53.5462, 86.1060, 49.1293)

Have a look what the booklet for
XYZ(53.5462, 86.1060, 49.1293)
contains.

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Color

**XYZ(49.2709, 77.7110,
47.5248)**

Conversions

Conversions Part 1

Format	Color
Hex	71FFA4
RGB	113, 255, 164
RGB Percent	44%, 100%, 64%
CMY	0.5569, 0.0000, 0.3569
CMYK	0.56, 0.00, 0.36, 0.00
HSL	142°, 100%, 72%
HSV	142°, 56%, 100%
XYZ	49.2709, 77.7110, 47.5248
YIQ	202.1680, -55.4210, -58.4050

Conversions

Conversions Part 2

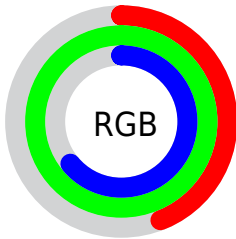
Format	Color
RYB	113, 217, 255
Decimal	7471012
CIELab	90.65, -58.03, 32.16
CIELCh	91, 66.351, 151.003
Yxy	77.7110, 0.2823, 0.4453
Android (android.graphics.Color)	4285661092 (0xFF71FFA4)
YUV	202.1680, -18.8168, -78.2003
Hunter-Lab	88.1538, -54.5021, 29.7437

Details

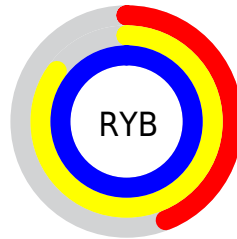
The XYZ color **49.2709, 77.7110, 47.5248** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **58.0445, 37.4305, 61.2923**, and the grayscale version is **56.3826, 59.3188, 64.5982**.

A 20% lighter version of the original color is **66.1338, 85.6860, 80.7636**, and **23.7903, 41.5724, 21.8093** is the 20% darker color. If you saturate the color by 10%, you get **45.0561, 75.6979, 40.1130**, and if you desaturate by 10%, it is **54.5979, 80.2756, 55.9811**.

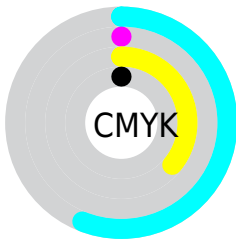
Distribution



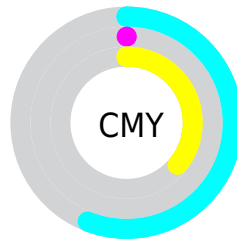
- Red (44%)
- Green (100%)
- Blue (64%)



- Red (44%)
- Yellow (85%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2709, 77.7110, 47.5248 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 49.2709, 77.7110, 47.5248 by changing the saturation by 10% instead.


 49.2709, 77.7110,
47.5248


 49.2709, 77.7110,
47.5248


374.3071,
487.1848, 393.3597

 35.0498, 57.8366,
33.0934


 88.2920, 130.1426,
87.8546

 23.8680, 41.6773,
21.9263


 113.8227,
163.4687, 114.5901

 15.3599, 28.8487,
13.6050


 143.8540,
202.0474, 146.2641

 9.1603, 18.9664,
7.7108

178.7513,
246.2632, 183.2951

 4.9039, 11.6460,
3.8254

218.8799,
296.5004, 226.1016

 2.2251, 6.5031,
1.5300

264.6052,

 0.7559, 3.1533,

353.1435, 275.1021

0.2402

316.2924,
416.5768, 330.7153

■ 0.0000, 1.2123,
0.0000

■ 0.0000, 0.0717,
0.0000

■ 49.2709, 77.7110,
47.5248

■ 49.2709, 77.7110,
47.5248

■ 45.0561, 75.6979,
40.1130

■ 54.5979, 80.2756,
55.9811

■ 41.8652, 74.1916,
33.7004

■ 61.1124, 83.4296,
65.5171


■ 39.5985, 73.1415,
28.2438

■ 68.8848, 87.2087,
76.1710

■ 38.1329, 72.4851,
23.6948

■ 77.9795, 91.6452,
87.9779

 37.6737, 72.2855,
21.9975

 88.4561, 96.7694,
100.9715

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.



58.5824, 77.7110, 27.8816



49.2709, 77.7110, 47.5248



46.2765, 77.7110, 86.2272

Triad

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



49.2709, 77.7110, 47.5248



74.4231, 77.7110, 213.2145



104.8078, 77.7110, 45.6597

Complementary

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



49.2709, 77.7110, 47.5248



58.0445, 37.4305, 61.2923

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.



110.6775, 77.7110, 83.0212



49.2709, 77.7110, 47.5248



91.5911, 77.7110, 189.9139

Square

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



49.2709, 77.7110, 47.5248



59.4170, 77.7110, 192.6751



105.5162, 77.7110, 137.2381



90.4766, 77.7110, 27.1238

Rectangle

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



49.2709, 77.7110, 47.5248



47.8462, 77.7110, 121.8729



105.5162, 77.7110, 137.2381



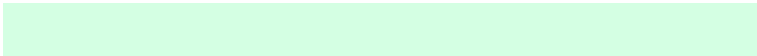
107.9246, 77.7110, 55.8471

Sweetspot

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



49.2715, 77.7113, 47.5261



76.7061, 91.0233, 86.3585



64.0007, 85.7343, 28.7988



16.0116, 19.2842, 17.9631



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.



49.2715, 77.7113, 47.5261



44.5801, 75.4719, 39.2137



57.3787, 80.9542, 90.2180



18.0411, 20.2760, 20.5194



19.7499, 37.7966, 11.8344



1.9729, 3.7001, 1.4154

Inverse Universe

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



58.0445, 37.4305, 61.2923



54.1189, 31.5027, 54.0539



51.4696, 34.8005, 26.6694



18.4995, 18.1831, 21.2475



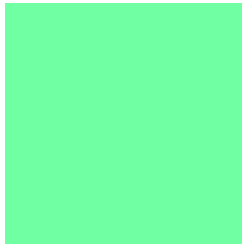
25.0965, 12.5279, 19.6904



2.4958, 1.2407, 2.1924

Previews

White Background



This preview shows how the XYZ color 49.2709, 77.7110, 47.5248 looks on a white background.

Color Contrast Check

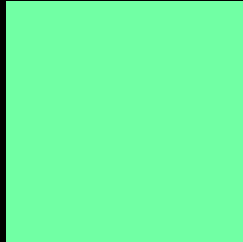
Large Text (above 18pt) WCAG AA × Fail

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 49.2709, 77.7110, 47.5248 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

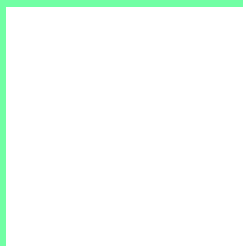
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2709, 77.7110, 47.5248

Background



This preview shows how black text looks on a background with the XYZ color 49.2709, 77.7110, 47.5248.

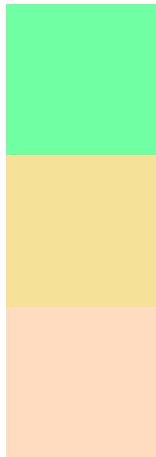


This preview shows how white text looks on a background with the XYZ color 49.2709, 77.7110,

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

49.2709, 77.7110, 47.5248

Protanopia

70.5200, 76.0722, 40.6724

Deuteranopia

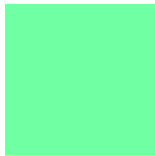
76.2372, 76.2080, 59.9817



Tritanopia

64.2263, 76.8455, 106.0553

Trichromacy



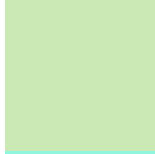
Original Color

49.2709, 77.7110, 47.5248



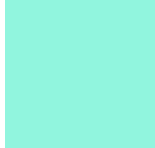
Protanomaly

59.3109, 74.8390, 42.7718



Deuteranomaly

62.1080, 74.3105, 54.7860



Tritanomaly

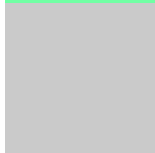
57.5143, 76.5985, 80.8609

Monochromacy



Original Color

49.2709, 77.7110, 47.5248



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.5111, 63.8898, 57.1940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2709, 77.7110, 47.5248 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(113, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(113, 255, 164)  
}
```

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(113, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 164) }
```

Border

The CSS property to change the border of an element to XYZ 49.2709, 77.7110, 47.5248 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(113, 255, 164) }
```


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

```
.border{ border-color:rgb(113, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(113, 255,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2709, 77.7110, 47.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 255, 164) }
```

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

```
.background{ background-color: rgb(113,  
255, 164) }
```

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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