

Converting Colors

XYZ(48.6659, 77.8666, 26.3762)

Have a look what the booklet for
XYZ(48.6659, 77.8666, 26.3762)
contains.

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Color

**XYZ(48.7304, 77.8999,
26.3777)**

Conversions

Conversions Part 1

Format	Color
Hex	89FF6B
RGB	137, 255, 107
RGB Percent	54%, 100%, 42%
CMY	0.4627, 0.0000, 0.5804
CMYK	0.46, 0.00, 0.58, 0.00
HSL	108°, 100%, 71%
HSV	108°, 58%, 100%
XYZ	48.7304, 77.8999, 26.3777
YIQ	202.8460, -22.8200, -71.0440

Conversions

Conversions Part 2

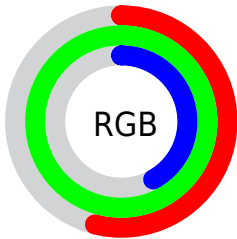
Format	Color
RYB	107, 255, 225
Decimal	9043819
CIELab	90.73, -59.88, 59.35
CIELCh	91, 84.307, 135.256
Yxy	77.8999, 0.3185, 0.5091
Android (android.graphics.Color)	4287233899 (0xFF89FF6B)
YUV	202.8460, -47.2521, -57.7469
Hunter-Lab	88.2609, -55.9036, 44.0632

Details

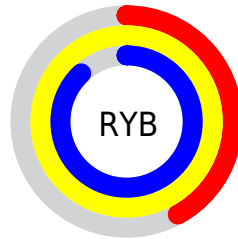
The XYZ color **48.7304, 77.8999, 26.3777** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **54.3606, 33.7444, 98.2559**, and the grayscale version is **56.9655, 59.9322, 65.2661**.

A 20% lighter version of the original color is **65.3075, 85.9990, 47.3398**, and **23.4654, 41.6674, 9.9378** is the 20% darker color. If you saturate the color by 10%, you get **44.5559, 75.8807, 20.1822**, and if you desaturate by 10%, it is **53.9290, 80.4013, 34.6878**.

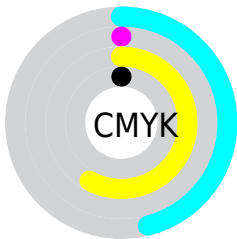
Distribution



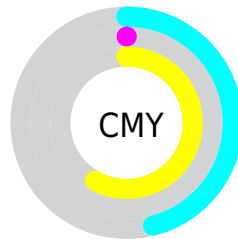
- Red (54%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (88%)



- Cyan (46%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7304, 77.8999, 26.3777 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 48.7304, 77.8999, 26.3777 by changing the saturation by 10% instead.


 48.7304, 77.8999,
26.3777


 48.7304, 77.8999,
26.3777


372.2146,
487.8268, 298.2955

 34.6193, 57.9918,
16.8781


 87.4940, 130.4090,
54.8752


 23.5349, 41.8020,
9.9866


 112.8773,
163.7787, 74.7102

 15.1118, 28.9463,
5.2846


 142.7487,
202.4045, 98.8274

 8.9847, 19.0402,
2.3535

 177.4735,
246.6706, 127.6453

 4.7883, 11.6993,
0.7610

217.4172,
296.9615, 161.5826

 2.1570, 6.5393,
0.0000

262.9450,

 0.7200, 3.1757,

353.6616, 201.0577

0.0000

314.4223,
417.1552, 246.4892

0.0000, 1.2241,
0.0000

0.0000, 0.0813,
0.0000

48.7304, 77.8999,
26.3777

48.7304, 77.8999,
26.3777

44.5559, 75.8807,
20.1822

53.9290, 80.4013,
34.6878

41.3334, 74.3107,
15.9068


60.2149, 83.4140,
45.2765


38.9818, 73.1531,
13.3277

67.6473, 86.9651,
58.2959

37.4002, 72.3624,
12.1398

76.2804, 91.0795,
73.8840

 37.1600, 72.2417,
11.9855

 86.1652, 95.7808,
92.1683

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.



63.8390, 77.8999, 14.7381



48.7304, 77.8999, 26.3777



41.2412, 77.8999, 58.4762

Triad

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



48.7304, 77.8999, 26.3777



64.1578, 77.8999, 254.8789



120.6634, 77.8999, 57.6943

Complementary

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



48.7304, 77.8999, 26.3777



54.3606, 33.7444, 98.2559

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.



120.7938, 77.8999, 118.0815



48.7304, 77.8999, 26.3777



85.2770, 77.8999, 254.3178

Square

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



48.7304, 77.8999, 26.3777



48.9253, 77.8999, 197.4818



106.8784, 77.8999, 196.1904



106.5502, 77.8999, 26.0410

Rectangle

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



48.7304, 77.8999, 26.3777



40.4548, 77.8999, 95.9532



106.8784, 77.8999, 196.1904



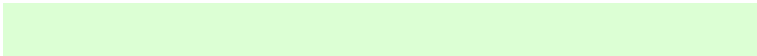
122.4213, 77.8999, 74.5826

Sweetspot

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



48.7307, 77.9000, 26.3789



77.2470, 91.5396, 75.6537



70.2642, 75.0618, 24.6961



16.1361, 19.4038, 15.4652



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.



48.7307, 77.9000, 26.3789



43.8508, 75.5383, 19.1981



47.2436, 76.8139, 40.7437



18.1154, 20.3454, 19.1166



19.5131, 37.7975, 6.2672



1.9841, 3.7236, 0.6142

Inverse Universe

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



54.3606, 33.7444, 98.2559



49.8285, 27.4903, 97.2877



58.5170, 36.5838, 66.9731



18.4109, 18.1035, 22.7739



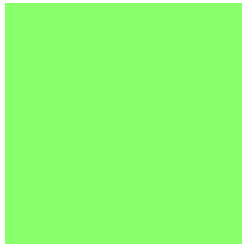
22.4717, 10.4951, 50.2759



2.2749, 1.0667, 4.8993

Previews

White Background



This preview shows how the XYZ color 48.7304, 77.8999, 26.3777 looks on a white background.

Color Contrast Check

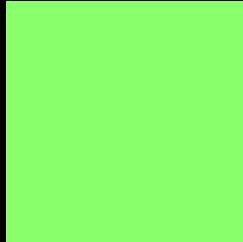
Large Text (above 18pt) WCAG AA × Fail

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 48.7304, 77.8999, 26.3777 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

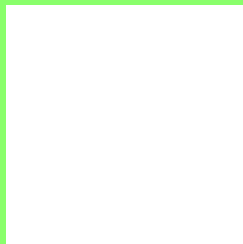
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7304, 77.8999, 26.3777

Background



This preview shows how black text looks on a background with the XYZ color 48.7304, 77.8999, 26.3777.

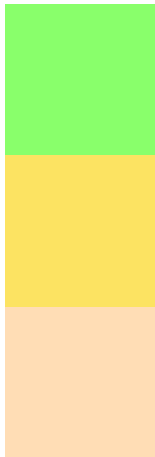


This preview shows how white text looks on a background with the XYZ color 48.7304, 77.8999,

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

48.7304, 77.8999, 26.3777

Protanopia

69.8186, 76.5155, 22.6444

Deuteranopia

75.4369, 76.3091, 54.4692



Tritanopia

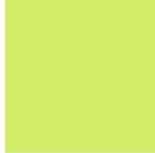
66.0801, 77.3677, 106.0584

Trichromacy



Original Color

48.7304, 77.8999, 26.3777



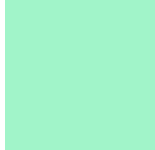
Protanomaly

59.2115, 75.2096, 23.7080



Deuteranomaly

62.1230, 74.6080, 41.6984



Tritanomaly

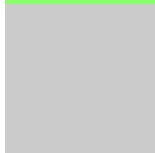
57.5912, 76.4955, 66.9881

Monochromacy



Original Color

48.7304, 77.8999, 26.3777



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

51.7796, 64.6534, 46.7961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7304, 77.8999, 26.3777 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(137, 255, 107)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 107)  
}
```

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(137, 255, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 107) }
```

Border

The CSS property to change the border of an element to XYZ 48.7304, 77.8999, 26.3777 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(137, 255, 107) }
```


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

```
.border{ border-color:rgb(137, 255, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 255, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 107);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7304, 77.8999, 26.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 107) }
```

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

```
.background{ background-color: rgb(137,  
255, 107) }
```

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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