

Converting Colors

XYZ(44.7601, 74.3825, 25.4045)

Have a look what the booklet for
XYZ(44.7601, 74.3825, 25.4045)
contains.

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Color

**XYZ(44.8314, 74.4923,
25.3802)**

Conversions

Conversions Part 1

Format	Color
Hex	76FC69
RGB	118, 252, 105
RGB Percent	46%, 99%, 41%
CMY	0.5373, 0.0117, 0.5882
CMYK	0.53, 0.00, 0.58, 0.01
HSL	115°, 96%, 70%
HSV	115°, 58%, 99%
XYZ	44.8314, 74.4923, 25.3802
YIQ	195.1760, -32.6770, -74.1250

Conversions

Conversions Part 2

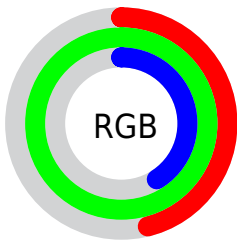
Format	Color
RYB	105, 252, 239
Decimal	7797865
CIELab	89.15, -64.04, 58.22
CIElCh	89, 86.547, 137.729
Yxy	74.4923, 0.3098, 0.5148
Android (android.graphics.Color)	4285987945 (0xFF76FC69)
YUV	195.1760, -44.4568, -67.6834
Hunter-Lab	86.3089, -58.3224, 42.9813

Details

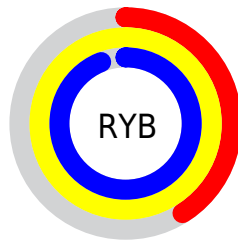
The XYZ color **44.8314, 74.4923, 25.3802** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **58.2231, 35.4849, 95.8801**, and the grayscale version is **52.2492, 54.9702, 59.8625**.

A 20% lighter version of the original color is **60.6956, 83.6418, 46.2032**, and **21.1128, 39.4583, 9.4092** is the 20% darker color. If you saturate the color by 10%, you get **40.9748, 72.6345, 19.4117**, and if you desaturate by 10%, it is **49.8348, 76.9014, 33.4081**.

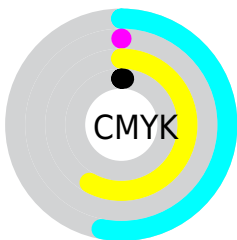
Distribution



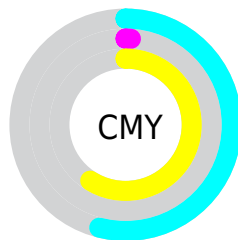
- Red (46%)
- Green (99%)
- Blue (41%)



- Red (41%)
- Yellow (99%)
- Blue (94%)



- Cyan (53%)
- Magenta (0%)
- Yellow (58%)
- Black (1%)





- Cyan (54%)
- Magenta (1%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8314, 74.4923, 25.3802 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 44.8314, 74.4923, 25.3802 by changing the saturation by 10% instead.


 44.8314, 74.4923,
25.3802

 44.8314, 74.4923,
25.3802


356.8855,
476.1707, 293.2342

 31.5254, 55.1971,
16.1389


 81.7060, 125.5934,
53.2451


 21.1530, 39.5595,
9.4671


 106.0052,
158.1681, 72.7058

 13.3490, 27.1953,
4.9461


 134.6996,
195.9381, 96.4101

 7.7480, 17.7199,
2.1575

 168.1544,
239.2877, 124.7765

 3.9845, 10.7491,
0.6497

206.7351,
288.6014, 158.2236

 1.6934, 5.8984,
0.0000


250.8069,

 0.4521, 2.7834,


344.2635, 197.1699


0.0000


300.7352,
406.6585, 242.0339


 0.0000, 1.0197,
0.0000


 0.0000, 0.0000,
0.0000


 44.8314, 74.4923,
25.3802


 44.8314, 74.4923,
25.3802

 40.9748, 72.6345,
19.4117


 49.8348, 76.9014,
33.4081

 38.1686, 71.2757,
15.3107


 56.0610, 79.8908,
43.6548


 36.3093, 70.3696,
12.8577


 63.5855, 83.4983,
56.2697

 35.2638, 69.8541,
11.7453

 72.4762, 87.7562,
71.3879

 35.1490, 69.7976,
11.6198

 82.7963, 92.6944,
89.1343

 94.1019, 98.1039,
108.5840

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.1564, 74.4923, 13.1518



44.8314, 74.4923, 25.3802



38.1055, 74.4923, 58.8416

Triad

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



44.8314, 74.4923, 25.3802



62.5275, 74.4923, 255.7893



116.8876, 74.4923, 50.6309

Complementary

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



44.8314, 74.4923, 25.3802



58.2231, 35.4849, 95.8801

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.



118.2893, 74.4923, 108.3870



44.8314, 74.4923, 25.3802



83.8853, 74.4923, 249.6827

Square

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



44.8314, 74.4923, 25.3802



46.8752, 74.4923, 200.9984



105.2551, 74.4923, 187.0145



101.7381, 74.4923, 21.9436

Rectangle

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



44.8314, 74.4923, 25.3802



37.7373, 74.4923, 97.7549



105.2551, 74.4923, 187.0145



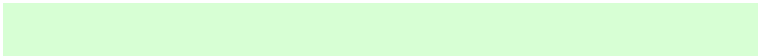
119.0770, 74.4923, 66.4697

Sweetspot

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



44.8332, 74.4954, 25.3819



75.7658, 90.7760, 75.5844



73.0692, 82.4614, 25.4312



15.7909, 19.2258, 15.4491



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.



44.8332, 74.4954, 25.3819



41.5237, 74.3386, 19.0892



47.3213, 75.3007, 47.0699



17.1596, 19.3825, 18.2992



18.3587, 36.3825, 6.0549



1.7472, 3.3938, 0.5630

Inverse Universe

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



58.2231, 35.4849, 95.8801



56.3397, 30.8470, 97.5924



54.8471, 34.6598, 54.3711



17.8328, 17.4420, 21.8120



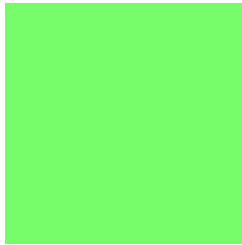
26.1699, 12.4337, 48.9942



2.4668, 1.1738, 4.5397

Previews

White Background



This preview shows how the XYZ color 44.8314, 74.4923, 25.3802 looks on a white background.

Color Contrast Check

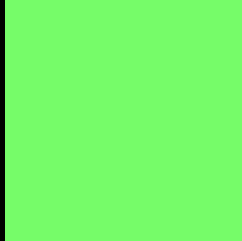
Large Text (above 18pt) WCAG AA × Fail

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 44.8314, 74.4923, 25.3802 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

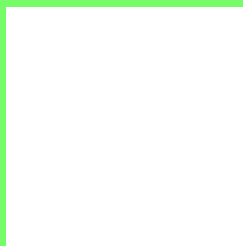
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.8314, 74.4923, 25.3802

Background



This preview shows how black text looks on a background with the XYZ color 44.8314, 74.4923, 25.3802.



This preview shows how white text looks on a background with the XYZ color 44.8314, 74.4923,

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

44.8314, 74.4923, 25.3802

Protanopia

66.8568, 73.3940, 21.7091

Deuteranopia

72.6788, 73.1249, 46.3603



Tritanopia

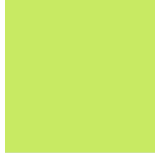
60.9943, 73.8863, 105.6545

Trichromacy



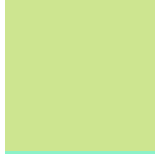
Original Color

44.8314, 74.4923, 25.3802



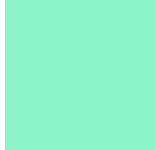
Protanomaly

55.4944, 72.0258, 22.7819



Deuteranomaly

58.2302, 71.0314, 37.0269



Tritanomaly

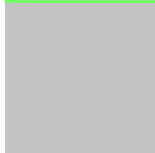
52.9927, 73.2498, 65.9892

Monochromacy



Original Color

44.8314, 74.4923, 25.3802



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

47.0138, 59.9359, 43.2733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8314, 74.4923, 25.3802 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(118, 252, 105)` looks like.

```
.text, #text, p{  
    color:rgb(118, 252, 105)  
}
```

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(118, 252, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 252, 105) }
```

Border

The CSS property to change the border of an element to XYZ 44.8314, 74.4923, 25.3802 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(118, 252, 105) }
```


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

```
.border{ border-color:rgb(118, 252, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 252, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 252, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 252, 105);  
box-shadow:4px 4px 4px 4px rgb(118, 252,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8314, 74.4923, 25.3802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 252, 105) }
```

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

```
.background{ background-color: rgb(118,  
252, 105) }
```

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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