

Converting Colors

XYZ(65.5661, 116.8125,
29.3321)

Have a look what the booklet for
XYZ(65.5661, 116.8125, 29.3321)
contains.

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Color

**XYZ(45.3435, 76.2323,
22.6804)**

Conversions

Conversions Part 1

Format	Color
Hex	77FF5D
RGB	119, 255, 93
RGB Percent	47%, 100%, 36%
CMY	0.5333, 0.0000, 0.6353
CMYK	0.53, 0.00, 0.64, 0.00
HSL	110°, 100%, 68%
HSV	110°, 64%, 100%
XYZ	45.3435, 76.2323, 22.6804
YIQ	195.8680, -29.0540, -79.2140

Conversions

Conversions Part 2

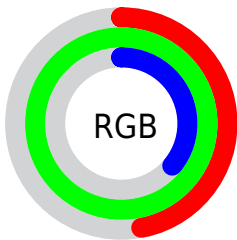
Format	Color
RYB	93, 255, 229
Decimal	7864157
CIELab	89.97, -66.07, 64.14
CIElCh	90, 92.084, 135.846
Yxy	76.2323, 0.3143, 0.5285
Android (android.graphics.Color)	4286054237 (0xFF77FF5D)
YUV	195.8680, -50.7139, -67.4132
Hunter-Lab	87.3111, -60.0936, 45.7163

Details

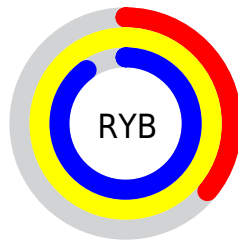
The XYZ color **45.3435, 76.2323, 22.6804** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **54.2796, 31.7085, 97.8672**, and the grayscale version is **52.6971, 55.4414, 60.3757**.

A 20% lighter version of the original color is **60.2409, 83.5137, 41.3785**, and **21.4459, 40.6652, 8.0853** is the 20% darker color. If you saturate the color by 10%, you get **41.7814, 74.5053, 17.5689**, and if you desaturate by 10%, it is **49.9442, 78.4510, 29.8076**.

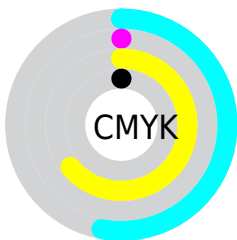
Distribution



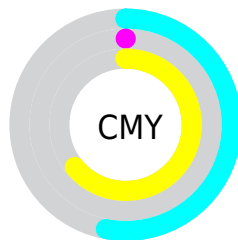
- Red (47%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (90%)



- Cyan (53%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3435, 76.2323, 22.6804 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 45.3435, 76.2323, 22.6804 by changing the saturation by 10% instead.


 45.3435, 76.2323,
22.6804


 45.3435, 76.2323,
22.6804


358.9233,
482.1425, 279.1477

 31.9305, 56.6230,
14.1546


 82.4695, 128.0552,
48.7845

 21.4637, 40.7026,
8.0883


 106.9133,
161.0376, 67.2000

 13.5778, 28.0868,
4.0629


 135.7646,
199.2466, 89.7490

 7.9073, 18.3911,
1.6599

 169.3890,
243.0664, 116.8503

 4.0870, 11.2311,
0.3331

208.1517,
292.8815, 148.9222

 1.7515, 6.2225,
0.0000

252.4180,

 0.4882, 2.9809,

349.0763, 186.3834

0.0000

302.5535,
412.0352, 229.6524

■ 0.0000, 1.1217,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.3435, 76.2323,
22.6804

■ 45.3435, 76.2323,
22.6804

■ 41.7814, 74.5053,
17.5689

■ 49.9442, 78.4510,
29.8076

■ 39.1731, 73.2312,
14.2614


■ 55.6574, 81.1959,
39.1265


■ 37.4206, 72.3648,
12.5058

■ 62.5507, 84.4984,
50.7983

■ 36.6712, 71.9897,
11.9626

■ 70.6864, 88.3873,
64.9677

 80.1220, 92.8894,
81.7680

 90.9115, 98.0299,
101.3230

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.



61.1372, 76.2323, 11.3468



45.3435, 76.2323, 22.6804



37.7294, 76.2323, 55.9413

Triad

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



45.3435, 76.2323, 22.6804



62.2601, 76.2323, 273.8623



123.3190, 76.2323, 53.2343

Complementary

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



45.3435, 76.2323, 22.6804



54.2796, 31.7085, 97.8672

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.



123.7970, 76.2323, 117.6316



45.3435, 76.2323, 22.6804



85.0933, 76.2323, 271.7419

Square

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



45.3435, 76.2323, 22.6804



46.0163, 76.2323, 209.5377



108.6653, 76.2323, 204.7165



107.4708, 76.2323, 21.5947

Rectangle

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



45.3435, 76.2323, 22.6804



37.0203, 76.2323, 96.4549



108.6653, 76.2323, 204.7165



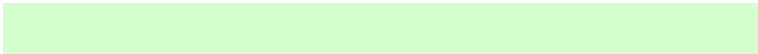
125.3793, 76.2323, 70.8657

Sweetspot

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



45.3437, 76.2323, 22.6816



74.7939, 90.3480, 72.2403



70.9596, 77.5377, 21.5834



15.4468, 19.0699, 14.4654



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.



45.3437, 76.2323, 22.6816



41.0512, 74.1498, 16.5919



45.5414, 75.9541, 39.8655



18.0430, 20.3081, 19.1132



19.2411, 37.6572, 6.2545



1.9474, 3.7047, 0.6124

Inverse Universe

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



54.2796, 31.7085, 97.8672



50.4395, 26.4105, 97.0470



55.6976, 33.3067, 58.7526



18.4896, 18.1441, 22.7776



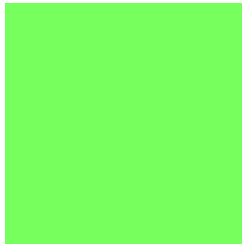
24.0411, 11.3041, 50.3494



2.4140, 1.1384, 4.9058

Previews

White Background



This preview shows how the XYZ color 45.3435, 76.2323, 22.6804 looks on a white background.

Color Contrast Check

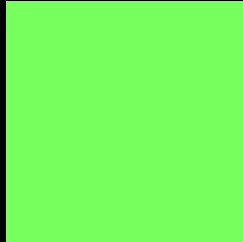
Large Text (above 18pt) WCAG AA × Fail

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 45.3435, 76.2323, 22.6804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

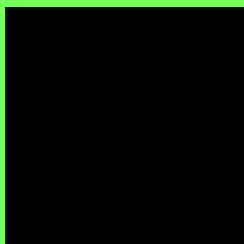
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

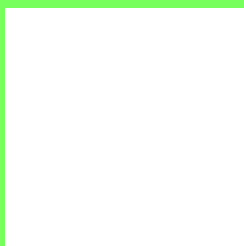
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3435, 76.2323, 22.6804

Background



This preview shows how black text looks on a background with the XYZ color 45.3435, 76.2323, 22.6804.

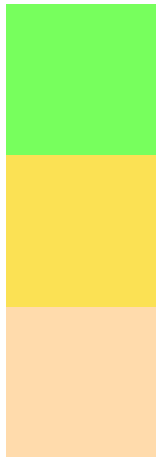


This preview shows how white text looks on a background with the XYZ color 45.3435, 76.2323, 22.6804.

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

45.3435, 76.2323, 22.6804

Protanopia

68.3091, 74.9998, 19.2636

Deuteranopia

74.0179, 74.9016, 49.5860



Tritanopia

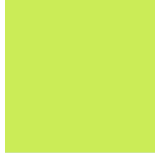
63.0321, 75.3654, 105.8326

Trichromacy



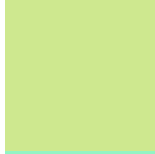
Original Color

45.3435, 76.2323, 22.6804



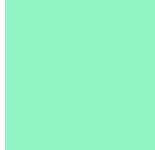
Protanomaly

56.3444, 73.3755, 20.2101



Deuteranomaly

59.2681, 72.8182, 36.9182



Tritanomaly

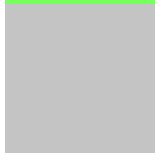
54.1685, 74.7979, 63.8070

Monochromacy



Original Color

45.3435, 76.2323, 22.6804



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.2193, 60.4537, 41.9809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3435, 76.2323, 22.6804 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(119, 255, 93)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 93)  
}
```

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(119, 255, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 93) }
```

Border

The CSS property to change the border of an element to XYZ 45.3435, 76.2323, 22.6804 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(119, 255, 93) }
```


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

```
.border{ border-color:rgb(119, 255, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 255, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 93);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3435, 76.2323, 22.6804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 93) }
```

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

```
.background{ background-color: rgb(119,  
255, 93) }
```

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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