

# Converting Colors

XYZ(44.3400, 75.5165, 31.5968)

Have a look what the booklet for  
XYZ(44.3400, 75.5165, 31.5968)  
contains.

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# Color

**XYZ(44.3914, 75.5421,  
31.6434)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61FF7D
RGB	97, 255, 125
RGB Percent	38%, 100%, 49%
CMY	0.6196, 0.0000, 0.5098
CMYK	0.62, 0.00, 0.51, 0.00
HSL	131°, 100%, 69%
HSV	131°, 62%, 100%
XYZ	44.3914, 75.5421, 31.6434
YIQ	192.9380, -52.4380, -73.9260

# Conversions

## Conversions Part 2

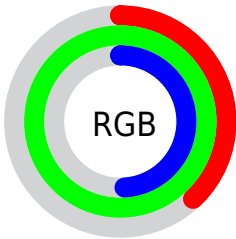
Format	Color
<a href="#">RYB</a>	<a href="#">97, 231, 255</a>
Decimal	<a href="#">6422397</a>
CIELab	<a href="#">89.65, -67.44, 49.67</a>
CIELCh	<a href="#">90, 83.758, 143.626</a>
Yxy	<a href="#">75.5421, 0.2929, 0.4984</a>
Android (android.graphics.Color)	<a href="#">4284612477 (0xFF61FF7D)</a>
YUV	<a href="#">192.9380, -33.4934, -84.1376</a>
Hunter-Lab	<a href="#">86.9150, -60.9332, 39.2546</a>

# Details

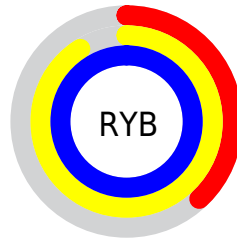
The XYZ color **44.3914, 75.5421, 31.6434** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **59.3795, 35.3554, 76.3658**, and the grayscale version is **50.8648, 53.5137, 58.2764**.

A 20% lighter version of the original color is **58.6962, 82.3924, 55.9897**, and **21.1360, 40.4004, 12.8150** is the 20% darker color. If you saturate the color by 10%, you get **40.8953, 73.8785, 25.2074**, and if you desaturate by 10%, it is **49.0442, 77.7691, 39.6136**.

# Distribution



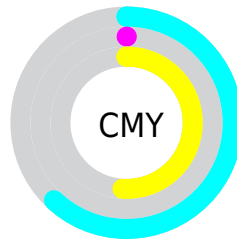
- Red (38%)
- Green (100%)
- Blue (49%)



- Red (38%)
- Yellow (91%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3914, 75.5421, 31.6434 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 44.3914, 75.5421, 31.6434 by changing the saturation by 10% instead.





 44.3914, 75.5421,  
31.6434

 44.3914, 75.5421,  
31.6434


355.1284,  
479.7788, 323.9341


 31.1776, 56.0571,  
20.8267


 81.0491, 127.0794,  
63.3430

 20.8866, 40.2487,  
12.8074


 105.2236,  
159.9006, 85.0631

 13.1531, 27.7325,  
7.1669


 133.7825,  
197.9359, 111.2546

 7.6118, 18.1241,  
3.4867

167.0910,  
241.5697, 142.3362

 3.8973, 11.0391,  
1.3482

205.5144,  
291.1866, 178.7264

 1.6442, 6.0932,  
0.1008

249.4183,

 0.4209, 2.9018,

347.1708, 220.8438

0.0000

299.1678,  
409.9067, 269.1068

0.0000, 1.0807,  
0.0000

0.0000, 0.0000,  
0.0000

44.3914, 75.5421,  
31.6434

44.3914, 75.5421,  
31.6434

40.8953, 73.8785,  
25.2074

49.0442, 77.7691,  
39.6136

38.4497, 72.7260,  
20.2032

54.9447, 80.6047,  
49.2044


36.9300, 72.0225,  
16.5216

62.1757, 84.0899,  
60.4999

36.2374, 71.7110,  
14.4340

70.8128, 88.2620,  
73.5774

 80.9257, 93.1553,  
88.5095

 92.5794, 98.8020,  
105.3645

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.



57.0640, 75.5421, 15.9417



44.3914, 75.5421, 31.6434



39.1849, 75.5421, 70.2881

# Triad

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



44.3914, 75.5421, 31.6434



67.4914, 75.5421, 254.4010



114.5595, 75.5421, 44.6439

# Complementary

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



44.3914, 75.5421, 31.6434



59.3795, 35.3554, 76.3658

# 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.



118.8111, 75.5421, 95.5029



44.3914, 75.5421, 31.6434



88.8779, 75.5421, 236.1545

# Square

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



44.3914, 75.5421, 31.6434



50.7740, 75.5421, 211.6119



108.6582, 75.5421, 169.5630



97.9530, 75.5421, 20.5434



# Rectangle

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



44.3914, 75.5421, 31.6434



39.7690, 75.5421, 111.9842



108.6582, 75.5421, 169.5630



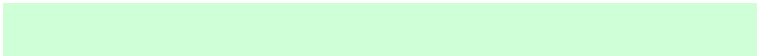
117.5977, 75.5421, 58.3124

# Sweetspot

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



44.3917, 75.5422, 31.6446



73.6499, 89.6340, 77.8016



70.1246, 88.9863, 24.7896



15.1769, 18.9014, 15.7786



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.



44.3917, 75.5422, 31.6446



40.3149, 73.6038, 24.0738



51.3901, 78.3415, 68.4973



17.9030, 20.2207, 19.7920



18.9726, 37.4856, 7.7410



1.8815, 3.6635, 0.9337



# Inverse Universe

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



59.3795, 35.3554, 76.3658



56.3312, 30.4417, 71.7027



50.9930, 32.0008, 32.2030



18.6464, 18.2419, 22.0209



27.6649, 13.5552, 33.2154

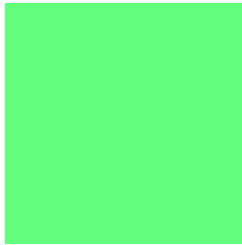


2.7282, 1.3336, 3.4160



# Previews

## White Background



This preview shows how the XYZ color 44.3914, 75.5421, 31.6434 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

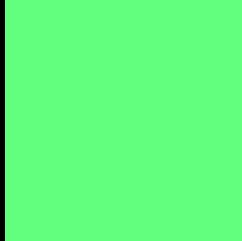
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.3914, 75.5421, 31.6434 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

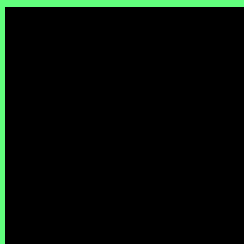
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.3914, 75.5421, 31.6434**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.3914, 75.5421, 31.6434.



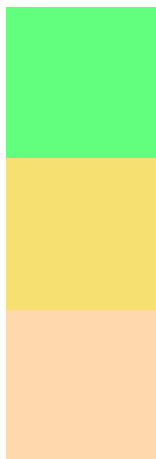
This preview shows how white text looks on a background with the XYZ color 44.3914, 75.5421,



# 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

44.3914, 75.5421, 31.6434

### Protanopia

68.0507, 74.3004, 26.6743

### Deuteranopia

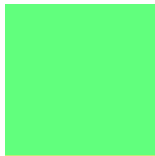
73.5957, 73.9028, 49.9209



## Tritanopia

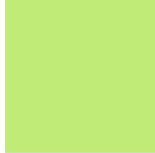
61.2022, 74.8531, 105.8301

# Trichromacy



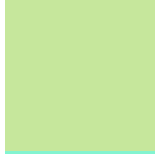
## Original Color

44.3914, 75.5421, 31.6434



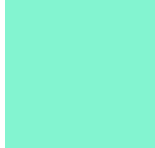
## Protanomaly

54.7166, 71.9311, 28.1398



## Deuteranomaly

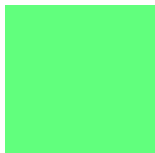
57.8654, 71.5579, 42.2147



## Tritanomaly

53.0959, 74.0807, 71.1751

# Monochromacy



## Original Color

44.3914, 75.5421, 31.6434



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

45.7243, 59.2080, 46.0641

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.3914, 75.5421, 31.6434 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(97, 255, 125)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 125)  
}
```

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(97, 255, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 44.3914, 75.5421, 31.6434 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(97, 255, 125) }
```



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

```
.border{ border-color:rgb(97, 255, 125) }
```

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

Here you see how a box with a 4 pixel rgb(97, 255, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.3914, 75.5421, 31.6434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 125) }
```

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

```
.background{ background-color: rgb(97, 255,  
125) }
```

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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