

Converting Colors

XYZ(44.7074, 75.6185, 35.5621)

Have a look what the booklet for
XYZ(44.7074, 75.6185, 35.5621)
contains.

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Color

**XYZ(44.7181, 75.6247,
35.5327)**

Conversions

Conversions Part 1

Format	Color
Hex	5DFF88
RGB	93, 255, 136
RGB Percent	36%, 100%, 53%
CMY	0.6353, 0.0000, 0.4667
CMYK	0.64, 0.00, 0.47, 0.00
HSL	136°, 100%, 68%
HSV	136°, 64%, 100%
XYZ	44.7181, 75.6247, 35.5327
YIQ	192.9960, -58.3530, -71.3530

Conversions

Conversions Part 2

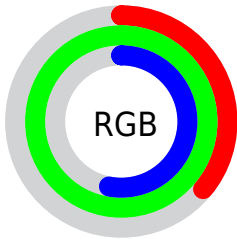
Format	Color
RYB	93, 221, 255
Decimal	6160264
CIELab	89.68, -66.66, 44.52
CIELCh	90, 80.156, 146.261
Yxy	75.6247, 0.2869, 0.4852
Android (android.graphics.Color)	4284350344 (0xFF5DFF88)
YUV	192.9960, -28.0990, -87.6965
Hunter-Lab	86.9625, -60.3955, 36.6479

Details

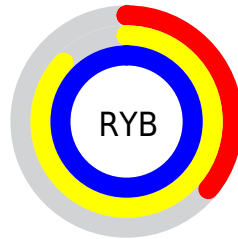
The XYZ color **44.7181, 75.6247, 35.5327** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **57.0380, 33.8424, 65.8123**, and the grayscale version is **50.8708, 53.5200, 58.2833**.

A 20% lighter version of the original color is **59.2645, 82.5507, 62.1005**, and **21.5665, 40.5726, 15.0821** is the 20% darker color. If you saturate the color by 10%, you get **41.3362, 74.0219, 29.0226**, and if you desaturate by 10%, it is **49.1936, 77.7644, 43.3108**.

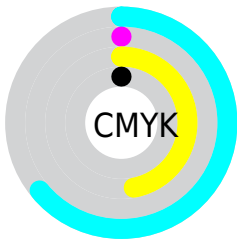
Distribution



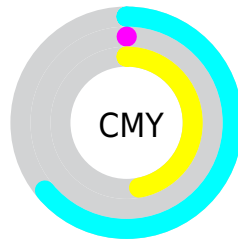
- Red (36%)
- Green (100%)
- Blue (53%)



- Red (36%)
- Yellow (87%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (64%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7181, 75.6247, 35.5327 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 44.7181, 75.6247, 35.5327 by changing the saturation by 10% instead.


 44.7181, 75.6247,
35.5327

 44.7181, 75.6247,
35.5327


356.4336,
480.0620, 341.8889

 31.4358, 56.1248,
23.7867


 81.5369, 127.1963,
69.4711


 21.0844, 40.3030,
14.9647


 105.8041,
160.0367, 92.5005

 13.2985, 27.7749,
8.6483


 134.4636,
198.0928, 120.1282

 7.7128, 18.1560,
4.4188

 167.8808,
241.7490, 152.7727

 3.9620, 11.0621,
1.8578

206.4210,
291.3896, 190.8524

 1.6807, 6.1086,
0.4657


250.4497,

 0.4441, 2.9112,


347.3990, 234.7860


0.0000

300.3321,
410.1617, 284.9920


 0.0000, 1.0856,
0.0000

 0.0000, 0.0000,
0.0000


 44.7181, 75.6247,
35.5327


 44.7181, 75.6247,
35.5327


 41.3362, 74.0219,
29.0226


 49.1936, 77.7644,
43.3108


 38.9452, 72.9044,
23.7090


 54.8499, 80.4846,
52.4160


 37.4233, 72.2110,
19.5183

 61.7663, 83.8251,
62.9080

 36.7939, 71.9336,
17.3644

 70.0149, 87.8219,
74.8418

 79.6624, 92.5081,
88.2693

 90.7705, 97.9147,
103.2400

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.



56.3639, 75.6247, 18.2800



44.7181, 75.6247, 35.5327



40.2755, 75.6247, 75.4569

Triad

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



44.7181, 75.6247, 35.5327



69.4328, 75.6247, 245.3412



111.5580, 75.6247, 43.0132

Complementary

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



44.7181, 75.6247, 35.5327



57.0380, 33.8424, 65.8123

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.



116.7786, 75.6247, 89.6346



44.7181, 75.6247, 35.5327



90.0082, 75.6247, 223.2929

Square

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



44.7181, 75.6247, 35.5327



52.7973, 75.6247, 209.7932



108.2736, 75.6247, 158.6447



95.0799, 75.6247, 21.0034

Rectangle

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



44.7181, 75.6247, 35.5327



41.2601, 75.6247, 116.6718



108.2736, 75.6247, 158.6447



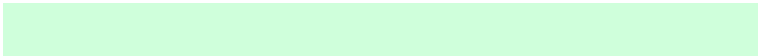
114.8039, 75.6247, 55.5089

Sweetspot

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



44.7185, 75.6249, 35.5339



74.2069, 89.8568, 80.7347



65.6137, 86.6819, 23.6294



15.3094, 18.9544, 16.4762



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.



44.7185, 75.6249, 35.5339



40.6574, 73.7027, 27.6009



52.4760, 78.7279, 76.3842



17.9695, 20.2473, 20.1425



19.2778, 37.6077, 9.3480



1.9199, 3.6789, 1.1360

Inverse Universe

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



57.0380, 33.8424, 65.8123



53.7654, 28.9573, 59.6040



49.4229, 30.7963, 25.7117



18.5747, 18.2132, 21.6436



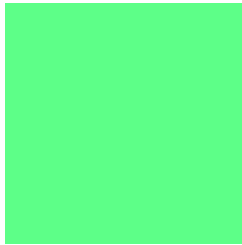
26.3182, 13.0166, 26.1237



2.6078, 1.2855, 2.7818

Previews

White Background



This preview shows how the XYZ color 44.7181, 75.6247, 35.5327 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 44.7181, 75.6247, 35.5327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

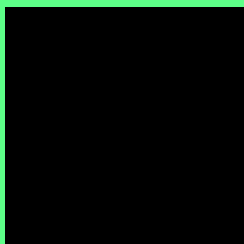
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

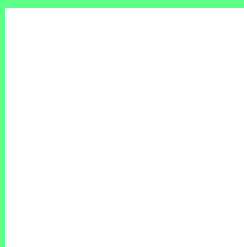
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.7181, 75.6247, 35.5327

Background



This preview shows how black text looks on a background with the XYZ color 44.7181, 75.6247, 35.5327.



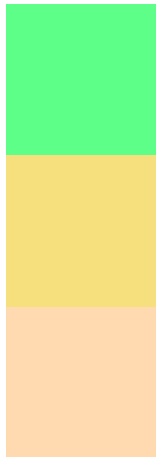
This preview shows how white text looks on a background with the XYZ color 44.7181, 75.6247,

35.5327.

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

44.7181, 75.6247, 35.5327

Protanopia

68.3634, 74.3848, 30.1566

Deuteranopia

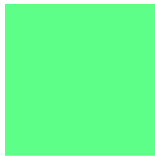
73.8893, 74.0203, 51.4673



Tritanopia

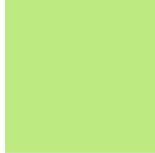
61.0190, 74.7586, 105.8216

Trichromacy



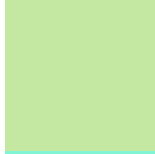
Original Color

44.7181, 75.6247, 35.5327



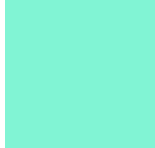
Protanomaly

54.9060, 71.9488, 31.7625



Deuteranomaly

57.7739, 71.4608, 44.4665



Tritanomaly

53.2876, 74.1220, 73.7858

Monochromacy



Original Color

44.7181, 75.6247, 35.5327



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

45.9069, 59.2584, 48.0482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7181, 75.6247, 35.5327 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(93, 255, 136)` looks like.

```
.text, #text, p{  
    color:rgb(93, 255, 136)  
}
```

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(93, 255, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 255, 136) }
```

Border

The CSS property to change the border of an element to XYZ 44.7181, 75.6247, 35.5327 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(93, 255, 136) }
```


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

```
.border{ border-color:rgb(93, 255, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 255, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 255, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 255, 136);  
box-shadow:4px 4px 4px 4px rgb(93, 255,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7181, 75.6247, 35.5327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 255, 136) }
```

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

```
.background{ background-color: rgb(93, 255,  
136) }
```

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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