

Converting Colors

XYZ(45.8474, 79.5439, 24.1325)

Have a look what the booklet for
XYZ(45.8474, 79.5439, 24.1325)
contains.

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Color

**XYZ(43.7434, 75.3863,
23.5548)**

Conversions

Conversions Part 1

Format	Color
Hex	69FF61
RGB	105, 255, 97
RGB Percent	41%, 100%, 38%
CMY	0.5882, 0.0000, 0.6196
CMYK	0.59, 0.00, 0.62, 0.00
HSL	117°, 100%, 69%
HSV	117°, 62%, 100%
XYZ	43.7434, 75.3863, 23.5548
YIQ	192.1380, -38.6820, -80.9380

Conversions

Conversions Part 2

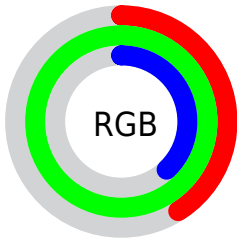
Format	Color
R _Y B	97, 255, 247
Decimal	6946657
CIE Lab	89.57, -69.02, 61.96
CIE LCh	90, 92.755, 138.085
Yxy	75.3863, 0.3066, 0.5283
Android (android.graphics.Color)	4285136737 (0xFF69FF61)
YUV	192.1380, -46.9030, -76.4200
Hunter-Lab	86.8253, -62.0143, 44.6929

Details

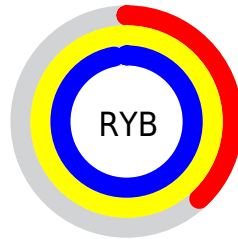
The XYZ color **43.7434, 75.3863, 23.5548** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **60.6843, 35.5452, 98.2702**, and the grayscale version is **50.4654, 53.0935, 57.8189**.

A 20% lighter version of the original color is **57.8720, 82.2549, 42.9636**, and **20.4972, 40.1658, 8.5062** is the 20% darker color. If you saturate the color by 10%, you get **40.2891, 73.7216, 18.1528**, and if you desaturate by 10%, it is **48.3895, 77.6213, 31.0088**.

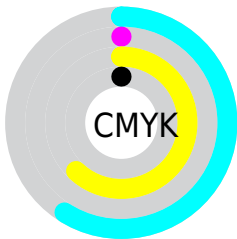
Distribution



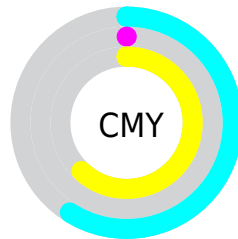
- Red (41%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (97%)



- Cyan (59%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7434, 75.3863, 23.5548 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 43.7434, 75.3863, 23.5548 by changing the saturation by 10% instead.


 43.7434, 75.3863,
23.5548

 43.7434, 75.3863,
23.5548


352.5301,
479.2443, 283.7756

 30.6659, 55.9294,
14.7946


 80.0802, 126.8590,
50.2374


 20.4951, 40.1463,
8.5303


 104.0702,
159.6437, 68.9969

 12.8658, 27.6527,
4.3435


 132.4285,
197.6397, 91.9264

 7.4126, 18.0640,
1.8156

 165.5202,
241.2315, 119.4447

 3.7700, 10.9959,
0.4382

203.7109,
290.8035, 151.9703

 1.5729, 6.0641,
0.0000

247.3659,

 0.3746, 2.8841,

346.7400, 189.9216

0.0000

296.8505,
409.4255, 233.7172

0.0000, 1.0715,
0.0000

0.0000, 0.0000,
0.0000

43.7434, 75.3863,
23.5548

43.7434, 75.3863,
23.5548

40.2891, 73.7216,
18.1528

48.3895, 77.6213,
31.0088

37.9169, 72.5749,
14.5952


54.3220, 80.4715,
40.6885


36.4981, 71.8854,
12.6373

61.6270, 83.9779,
52.7531

35.9246, 71.6048,
11.9277

70.3829, 88.1778,
67.3463

 80.6623, 93.1058,
84.6005

 92.5329, 98.7941,
104.6387

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.



58.8933, 75.3863, 11.2510



43.7434, 75.3863, 23.5548



36.7633, 75.3863, 58.8065

Triad

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



43.7434, 75.3863, 23.5548



62.9820, 75.3863, 276.2531



121.8938, 75.3863, 48.9661

Complementary

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



43.7434, 75.3863, 23.5548



60.6843, 35.5452, 98.2702

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.



123.6417, 75.3863, 110.8101



43.7434, 75.3863, 23.5548



86.1328, 75.3863, 268.4757

Square

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



43.7434, 75.3863, 23.5548



46.1877, 75.3863, 215.3428



109.4522, 75.3863, 197.6802



105.0879, 75.3863, 19.6389

Rectangle

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



43.7434, 75.3863, 23.5548



36.4384, 75.3863, 101.0269



109.4522, 75.3863, 197.6802



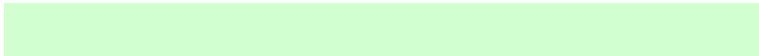
124.3746, 75.3863, 65.6687

Sweetspot

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



43.7437, 75.3865, 23.5560



73.2626, 89.5586, 72.1686



75.8893, 87.1059, 24.1238



15.0849, 18.8833, 14.4484



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.



43.7437, 75.3865, 23.5560



39.7208, 73.4473, 17.2840



47.5246, 76.7954, 48.1400



17.8566, 20.2120, 19.1045



18.8065, 37.4332, 6.2341



1.8597, 3.6595, 0.6083

Inverse Universe

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



60.6843, 35.5452, 98.2702



57.8292, 30.6451, 97.4749



54.4351, 33.3783, 50.3270



18.6965, 18.2508, 22.7873



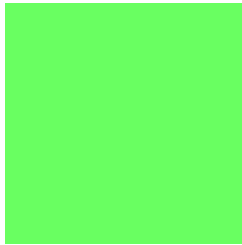
28.6217, 13.6655, 50.5638



2.8136, 1.3444, 4.9245

Previews

White Background



This preview shows how the XYZ color 43.7434, 75.3863, 23.5548 looks on a white background.

Color Contrast Check

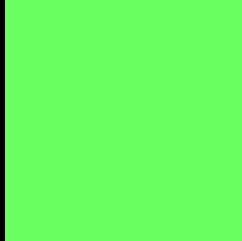
Large Text (above 18pt) WCAG AA × Fail

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 43.7434, 75.3863, 23.5548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

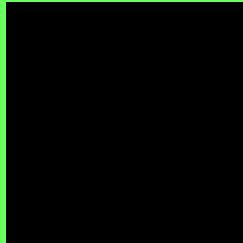
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.7434, 75.3863, 23.5548

Background



This preview shows how black text looks on a background with the XYZ color 43.7434, 75.3863, 23.5548.

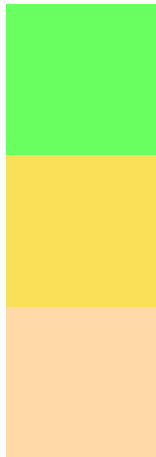


This preview shows how white text looks on a background with the XYZ color 43.7434, 75.3863,

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

43.7434, 75.3863, 23.5548

Protanopia

67.4840, 74.1556, 19.9892

Deuteranopia

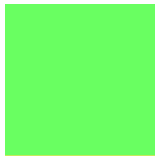
73.1207, 73.7129, 47.4199



Tritanopia

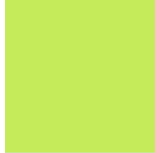
61.2831, 74.4638, 105.7507

Trichromacy



Original Color

43.7434, 75.3863, 23.5548



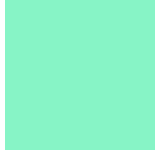
Protanomaly

54.6226, 72.0423, 20.9242



Deuteranomaly

57.2778, 71.3842, 36.3508



Tritanomaly

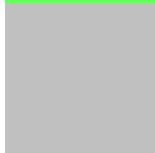
52.5354, 73.9295, 64.9270

Monochromacy



Original Color

43.7434, 75.3863, 23.5548



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

44.8834, 58.5088, 40.8260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7434, 75.3863, 23.5548 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(105, 255, 97)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 97)  
}
```

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(105, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 97) }
```

Border

The CSS property to change the border of an element to XYZ 43.7434, 75.3863, 23.5548 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(105, 255, 97) }
```


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

```
.border{ border-color:rgb(105, 255, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7434, 75.3863, 23.5548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 97) }
```

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

```
.background{ background-color: rgb(105,  
255, 97) }
```

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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