

Converting Colors

XYZ(43.5567, 70.6560, 23.1094)

Have a look what the booklet for
XYZ(43.5567, 70.6560, 23.1094)
contains.

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Color

**XYZ(43.5087, 70.6413,
23.1464)**

Conversions

Conversions Part 1

Format	Color
Hex	7EF563
RGB	126, 245, 99
RGB Percent	49%, 96%, 39%
CMY	0.5059, 0.0392, 0.6117
CMYK	0.49, 0.00, 0.60, 0.04
HSL	109°, 88%, 67%
HSV	109°, 60%, 96%
XYZ	43.5087, 70.6413, 23.1464
YIQ	192.7750, -24.0580, -70.6340

Conversions

Conversions Part 2

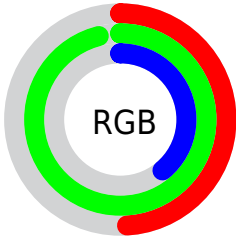
Format	Color
R _Y B	99, 245, 218
Decimal	8320355
CIE Lab	87.31, -59.96, 58.76
CIE LCh	87, 83.950, 135.580
Yxy	70.6413, 0.3169, 0.5145
Android (android.graphics.Color)	4286510435 (0xFF7EF563)
YUV	192.7750, -46.2311, -58.5617
Hunter-Lab	84.0484, -54.6819, 42.5058

Details

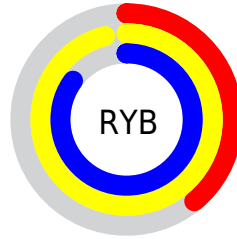
The XYZ color **43.5087, 70.6413, 23.1464** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **49.8606, 30.4242, 89.6346**, and the grayscale version is **50.8310, 53.4782, 58.2378**.

A 20% lighter version of the original color is **61.8424, 84.2922, 43.5824**, and **20.4059, 37.1650, 8.3836** is the 20% darker color. If you saturate the color by 10%, you get **39.8543, 68.8750, 17.7616**, and if you desaturate by 10%, it is **48.1095, 72.8587, 30.4325**.

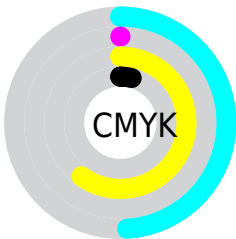
Distribution



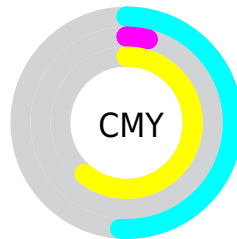
- Red (49%)
- Green (96%)
- Blue (39%)



- Red (39%)
- Yellow (96%)
- Blue (85%)



- Cyan (49%)
- Magenta (0%)
- Yellow (60%)
- Black (4%)




- Cyan (51%)
- Magenta (4%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.5087, 70.6413, 23.1464 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 43.5087, 70.6413, 23.1464 by changing the saturation by 10% instead.


 43.5087, 70.6413,
23.1464


 43.5087, 70.6413,
23.1464


351.5858,
462.7985, 281.6223


 30.4807, 52.0495,
14.4953


 79.7289, 120.1228,
49.5598


 20.3536, 37.0446,
8.3233


 103.6518,
151.7814, 68.1593

 12.7621, 25.2420,
4.2118


 131.9370,
188.5643, 90.9120

 7.3408, 16.2574,
1.7422

 164.9500,
230.8560, 118.2364

 3.7244, 9.7065,
0.3894

203.0559,
279.0409, 150.5511

 1.5474, 5.2048,
0.0000

246.6203,

 0.3578, 2.3679,

333.5034, 188.2746

0.0000

296.0085,
394.6278, 231.8255

■ 0.0000, 0.8093,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.5087, 70.6413,
23.1464

■ 43.5087, 70.6413,
23.1464

■ 39.8543, 68.8750,
17.7616

■ 48.1095, 72.8587,
30.4325

■ 37.0729, 67.5193,
14.0966


■ 53.7130, 75.5466,
39.7702


■ 35.0876, 66.5415,
11.9429


■ 60.3770, 78.7337,
51.2999

■ 33.7914, 65.8935,
10.9665

■ 68.1533, 82.4441,
65.1484

 33.7494, 65.8725,
10.9359

 77.0902, 86.7000,
81.4329

 87.2332, 91.5227,
100.2626

 91.9439, 93.7877,
107.8646

Harmonies

Analogous

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



57.4513, 70.6413, 12.5204



43.5087, 70.6413, 23.1464



36.6714, 70.6413, 52.8874

Triad

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



43.5087, 70.6413, 23.1464



58.1227, 70.6413, 237.6366



110.7655, 70.6413, 51.2489

Complementary

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



43.5087, 70.6413, 23.1464



49.8606, 30.4242, 89.6346

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.



111.0434, 70.6413, 107.3030



43.5087, 70.6413, 23.1464



77.8664, 70.6413, 236.4307

Square

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



43.5087, 70.6413, 23.1464



43.9168, 70.6413, 183.6714



98.0799, 70.6413, 180.9059



97.3822, 70.6413, 22.4547

Rectangle

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



43.5087, 70.6413, 23.1464



35.9964, 70.6413, 87.9823



98.0799, 70.6413, 180.9059



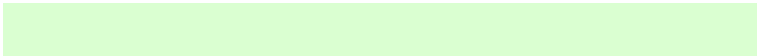
112.4710, 70.6413, 66.8195

Sweetspot

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



43.5104, 70.6443, 23.1480



76.0711, 90.9702, 73.9362



64.4161, 69.3260, 21.7917



15.7109, 19.1990, 14.7952



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.



43.5104, 70.6443, 23.1480



42.7768, 75.0044, 18.2515



42.7431, 69.9379, 37.1556



16.5680, 18.6194, 17.5182



18.2641, 35.5283, 5.8950



1.6820, 3.1622, 0.5217

Inverse Universe

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



49.8606, 30.4242, 89.6346



50.1635, 27.1579, 97.2058



52.6869, 32.5646, 58.8934



16.8956, 16.6044, 20.8570



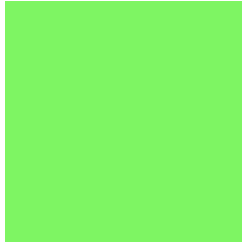
21.7774, 10.2010, 47.3592



1.9901, 0.9358, 4.1660

Previews

White Background



This preview shows how the XYZ color 43.5087, 70.6413, 23.1464 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 43.5087, 70.6413, 23.1464 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

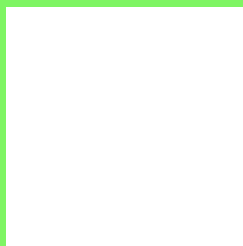
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.5087, 70.6413, 23.1464

Background



This preview shows how black text looks on a background with the XYZ color 43.5087, 70.6413, 23.1464.



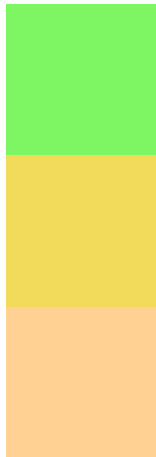
This preview shows how white text looks on a background with the XYZ color 43.5087, 70.6413,

23.1464.

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

43.5087, 70.6413, 23.1464

Protanopia

63.5777, 69.7754, 20.0146

Deuteranopia

69.6319, 69.4913, 37.7601



Tritanopia

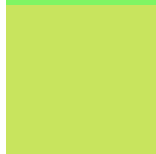
58.7577, 70.3395, 99.2870

Trichromacy



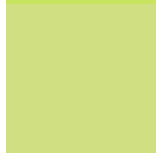
Original Color

43.5087, 70.6413, 23.1464



Protanomaly

53.5832, 68.5743, 21.0017



Deuteranomaly

56.4294, 67.7970, 31.2311



Tritanomaly

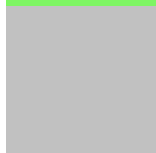
50.9475, 69.2410, 61.7186

Monochromacy



Original Color

43.5087, 70.6413, 23.1464



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

46.1637, 58.0252, 41.5678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5087, 70.6413, 23.1464 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(126, 245, 99)` looks like.

```
.text, #text, p{  
    color:rgb(126, 245, 99)  
}
```

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(126, 245, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 245, 99) }
```

Border

The CSS property to change the border of an element to XYZ 43.5087, 70.6413, 23.1464 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(126, 245, 99) }
```


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

```
.border{ border-color:rgb(126, 245, 99) }
```

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

Here you see how a box with a 4 pixel rgb(126, 245, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 245, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 245, 99);  
box-shadow:4px 4px 4px 4px rgb(126, 245,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5087, 70.6413, 23.1464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 245, 99) }
```

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

```
.background{ background-color: rgb(126,  
245, 99) }
```

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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