

Converting Colors

XYZ(43.7817, 75.3193, 27.4788)

Have a look what the booklet for
XYZ(43.7817, 75.3193, 27.4788)
contains.

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Color

**XYZ(43.8302, 75.3425,
27.5617)**

Conversions

Conversions Part 1

Format	Color
Hex	63FF70
RGB	99, 255, 112
RGB Percent	39%, 100%, 44%
CMY	0.6118, 0.0000, 0.5608
CMYK	0.61, 0.00, 0.56, 0.00
HSL	125°, 100%, 69%
HSV	125°, 61%, 100%
XYZ	43.8302, 75.3425, 27.5617
YIQ	192.0540, -47.0730, -77.5450

Conversions

Conversions Part 2

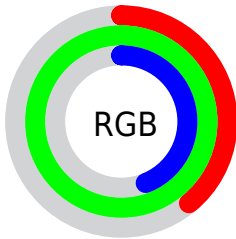
Format	Color
R_{YB}	99, 243, 255
Decimal	6553456
CIE _{Lab}	89.55, -68.68, 55.47
CIE _{LCh}	90, 88.284, 141.072
Yxy	75.3425, 0.2987, 0.5135
Android (android.graphics.Color)	4284743536 (0xFF63FF70)
YUV	192.0540, -39.4666, -81.6084
Hunter-Lab	86.8001, -61.7655, 41.9336

Details

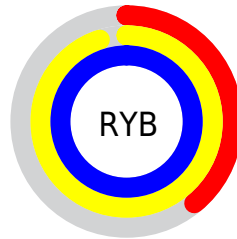
The XYZ color **43.8302, 75.3425, 27.5617** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **61.7284, 36.5944, 87.8118**, and the grayscale version is **50.3774, 53.0010, 57.7181**.

A 20% lighter version of the original color is **57.8393, 82.0966, 49.3570**, and **20.7300, 40.2380, 10.6771** is the 20% darker color. If you saturate the color by 10%, you get **40.3334, 73.6712, 21.4640**, and if you desaturate by 10%, it is **48.5446, 77.6024, 35.4818**.

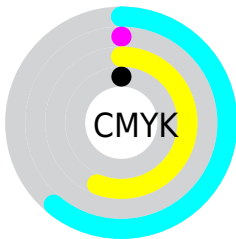
Distribution



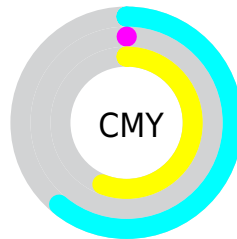
- Red (39%)
- Green (100%)
- Blue (44%)



- Red (39%)
- Yellow (95%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)



- Cyan (61%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8302, 75.3425, 27.5617 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 43.8302, 75.3425, 27.5617 by changing the saturation by 10% instead.

43.8302, 75.3425,
27.5617

43.8302, 75.3425,
27.5617

352.8788,
479.0940, 304.2124

30.7344, 55.8935,
17.7594

80.2101, 126.7971,
56.7986

20.5475, 40.1176,
10.6097

104.2249,
159.5714, 77.0702

12.9042, 27.6302,
5.6942

132.6101,
197.5564, 101.6686

7.4392, 18.0471,
2.5943

165.7309,
241.1364, 131.0124

3.7870, 10.9838,
0.8895

203.9529,
290.6957, 165.5202

1.5823, 6.0559,
0.0000


247.6413,


0.3809, 2.8791,


346.6188, 205.6104


0.0000


297.1615,
409.2901, 251.7016


 0.0000, 1.0690,
0.0000


 0.0000, 0.0000,
0.0000


 43.8302, 75.3425,
27.5617


 43.8302, 75.3425,
27.5617


 40.3334, 73.6712,
21.4640


 48.5446, 77.6024,
35.4818

 37.9405, 72.5330,
17.0405


 54.5744, 80.4987,
45.3500


 36.5178, 71.8626,
14.1255

 62.0085, 84.0747,
57.2849

 35.8977, 71.5751,
12.6453

 70.9277, 88.3697,
71.3945

 81.4069, 93.4201,
87.7795

 93.5156, 99.2598,
106.5342

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.



57.6440, 75.3425, 13.4510



43.8302, 75.3425, 27.5617



37.8190, 75.3425, 64.8672

Triad

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



43.8302, 75.3425, 27.5617



65.3343, 75.3425, 265.5257



117.9782, 75.3425, 46.1618

Complementary

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



43.8302, 75.3425, 27.5617



61.7284, 36.5944, 87.8118

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.



121.1910, 75.3425, 101.9928



43.8302, 75.3425, 27.5617



87.6689, 75.3425, 251.4769

Square

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



43.8302, 75.3425, 27.5617



48.4812, 75.3425, 214.3700



109.1821, 75.3425, 182.2403



101.1276, 75.3425, 19.7999

Rectangle

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



43.8302, 75.3425, 27.5617



37.9962, 75.3425, 107.1653



109.1821, 75.3425, 182.2403



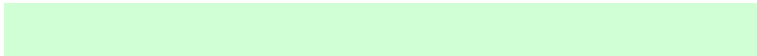
120.8067, 75.3425, 61.1771

Sweetspot

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



43.8305, 75.3426, 27.5629



74.0836, 89.8902, 76.3475



74.6301, 91.2981, 25.4935



15.2368, 18.9414, 15.3683



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.



43.8305, 75.3426, 27.5629



39.8182, 73.4256, 20.5369



50.2000, 77.8904, 61.1039



17.8330, 20.1927, 19.4236



18.7785, 37.4080, 6.7187



1.8484, 3.6503, 0.7597

Inverse Universe

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



61.7284, 36.5944, 87.8118



59.0104, 31.7584, 85.0562



52.4028, 32.8642, 38.7037



18.7235, 18.2727, 22.4271



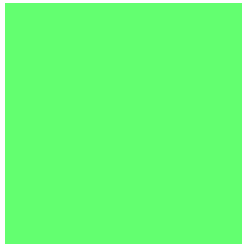
29.3170, 14.2161, 41.9152



2.8730, 1.3916, 4.1786

Previews

White Background



This preview shows how the XYZ color 43.8302, 75.3425, 27.5617 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 43.8302, 75.3425, 27.5617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

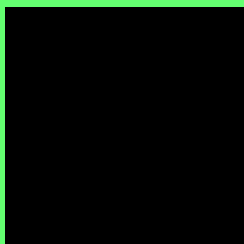
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.8302, 75.3425, 27.5617

Background



This preview shows how black text looks on a background with the XYZ color 43.8302, 75.3425, 27.5617.

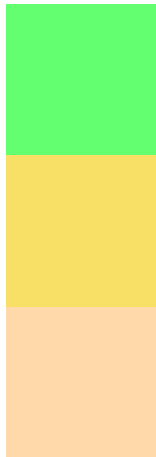


This preview shows how white text looks on a background with the XYZ color 43.8302, 75.3425,

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

43.8302, 75.3425, 27.5617

Protanopia

67.4973, 73.6911, 23.2367

Deuteranopia

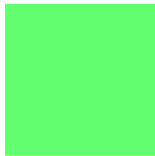
73.3086, 73.7880, 48.4089



Tritanopia

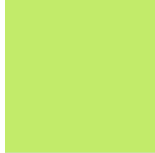
61.2022, 74.8531, 105.8301

Trichromacy



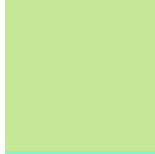
Original Color

43.8302, 75.3425, 27.5617



Protanomaly

54.5580, 71.9266, 24.6434



Deuteranomaly

57.2894, 71.3275, 39.1819



Tritanomaly

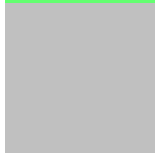
52.4902, 73.8385, 67.9856

Monochromacy



Original Color

43.8302, 75.3425, 27.5617



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

45.0118, 58.5143, 43.5724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8302, 75.3425, 27.5617 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(99, 255, 112)` looks like.

```
.text, #text, p{  
    color:rgb(99, 255, 112)  
}
```

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(99, 255, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 112) }
```

Border

The CSS property to change the border of an element to XYZ 43.8302, 75.3425, 27.5617 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(99, 255, 112) }
```


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

```
.border{ border-color:rgb(99, 255, 112) }
```

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

Here you see how a box with a 4 pixel rgb(99, 255, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 112);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8302, 75.3425, 27.5617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 112) }
```

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

```
.background{ background-color: rgb(99, 255,  
112) }
```

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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