

Converting Colors

XYZ(56.4574, 81.2640, 33.4093)

Have a look what the booklet for
XYZ(56.4574, 81.2640, 33.4093)
contains.

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Color

**XYZ(56.4175, 81.2393,
33.4761)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFE81
RGB	172, 254, 129
RGB Percent	67%, 100%, 51%
CMY	0.3255, 0.0039, 0.4941
CMYK	0.32, 0.00, 0.49, 0.00
HSL	99°, 98%, 75%
HSV	99°, 49%, 100%
XYZ	56.4175, 81.2393, 33.4761
YIQ	215.2320, -8.7470, -56.2590

Conversions

Conversions Part 2

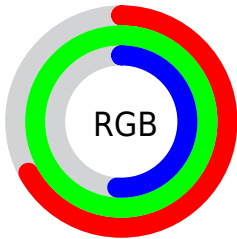
Format	Color
RYB	129, 254, 211
Decimal	11337345
CIELab	92.24, -46.34, 51.63
CIELCh	92, 69.376, 131.907
Yxy	81.2393, 0.3297, 0.4747
Android (android.graphics.Color)	4289527425 (0xFFACFE81)
YUV	215.2320, -42.5124, -37.9145
Hunter-Lab	90.1328, -46.0027, 41.0722

Details

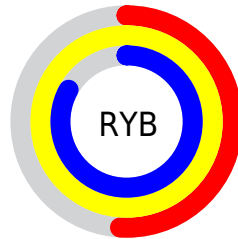
The XYZ color **56.4175, 81.2393, 33.4761** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.6074, 36.7077, 98.0831**, and the grayscale version is **65.0338, 68.4206, 74.5100**.

A 20% lighter version of the original color is **77.0449, 91.8037, 59.0066**, and **28.3410, 44.0991, 13.8557** is the 20% darker color. If you saturate the color by 10%, you get **51.5043, 78.8804, 25.5021**, and if you desaturate by 10%, it is **62.2129, 84.0095, 43.6850**.

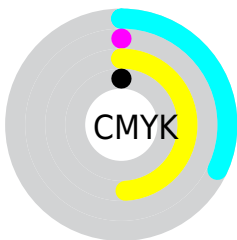
Distribution



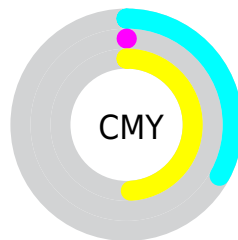
- Red (67%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (83%)



- Cyan (32%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4175, 81.2393, 33.4761 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 56.4175, 81.2393, 33.4761 by changing the saturation by 10% instead.


 56.4175, 81.2393,
33.4761


 56.4175, 81.2393,
33.4761


401.3126,
499.0996, 332.4872


 40.7761, 60.7387,
22.2173


 98.7510, 135.1067,
66.2427

 28.3310, 44.0143,
13.8168


 126.1738,
169.2423, 88.5876

 18.7171, 30.6818,
7.8561

 158.2544,
208.6918, 115.4649

 11.5688, 20.3566,
3.9165

195.3583,
253.8394, 147.2932

 6.5209, 12.6546,
1.5797

237.8506,
305.0696, 184.4911

 3.2080, 7.1911,
0.2763

286.0969,

 1.2647, 3.5819,

362.7667, 227.4770

0.0000

340.4624,
427.3153, 276.6695

■ 0.1565, 1.4426,
0.0000

■ 0.0000, 0.2478,
0.0000

■ 56.4175, 81.2393,
33.4761

■ 56.4175, 81.2393,
33.4761

■ 51.5043, 78.8804,
25.5021

■ 62.2129, 84.0095,
43.6850

■ 47.4189, 76.9009,
19.5899

■ 68.9291, 87.2001,
56.2740

■ 44.1090, 75.2805,
15.5501

■ 76.6091, 90.8329,
71.3822

■ 41.5124, 73.9923,
13.1554

■ 85.2917, 94.9249,
89.1366

■ 39.5439, 72.9996,
12.0636

94.7335, 99.3671,
108.7945

■ 39.4086, 72.9311,
12.0001

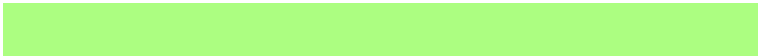
Harmonies

Analogous

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



70.3242, 81.2393, 22.7823



56.4175, 81.2393, 33.4761



48.8826, 81.2393, 61.2197

Triad

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



56.4175, 81.2393, 33.4761



67.0043, 81.2393, 219.2697



116.0626, 81.2393, 69.6228

Complementary

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



56.4175, 81.2393, 33.4761



52.6074, 36.7077, 98.0831

Split Complementary

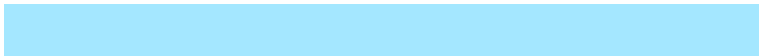
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



114.8048, 81.2393, 122.7661



56.4175, 81.2393, 33.4761



84.5429, 81.2393, 224.3551

Square

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



56.4175, 81.2393, 33.4761



54.3120, 81.2393, 172.0629



102.5838, 81.2393, 184.0614



105.7932, 81.2393, 37.5710

Rectangle

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



56.4175, 81.2393, 33.4761



47.6514, 81.2393, 91.7796



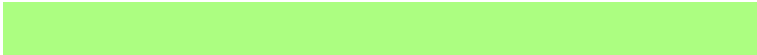
102.5838, 81.2393, 184.0614



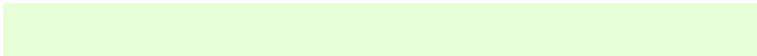
117.0127, 81.2393, 85.2132

Sweetspot

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



56.4195, 81.2428, 33.4779



80.8551, 93.3243, 79.2272



67.9472, 68.8760, 30.4833



16.9196, 19.7929, 16.1723



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.



56.4195, 81.2428, 33.4779



52.0552, 79.6286, 25.8699



49.8231, 77.6848, 40.2836



18.3606, 20.4718, 19.1281



20.9176, 38.5215, 6.3329



2.1486, 3.8084, 0.6219

Inverse Universe

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



52.6074, 36.7077, 98.0831



47.7526, 29.9634, 97.8744



63.7580, 42.7862, 83.6888



18.1505, 17.9693, 22.7617



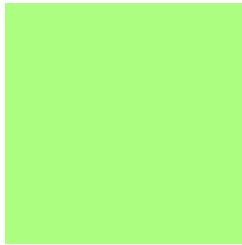
17.9572, 8.1677, 50.0647



1.8659, 0.8558, 4.8801

Previews

White Background



This preview shows how the XYZ color 56.4175, 81.2393, 33.4761 looks on a white background.

Color Contrast Check

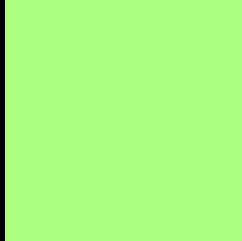
Large Text (above 18pt) WCAG AA × Fail

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 56.4175, 81.2393, 33.4761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

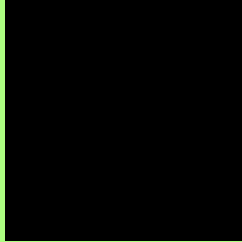
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

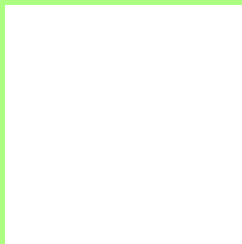
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.4175, 81.2393, 33.4761

Background



This preview shows how black text looks on a background with the XYZ color 56.4175, 81.2393, 33.4761.



This preview shows how white text looks on a background with the XYZ color 56.4175, 81.2393,

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

56.4175, 81.2393, 33.4761

Protanopia

73.7983, 80.4539, 31.0416

Deuteranopia

78.7871, 80.2294, 64.1566



Tritanopia

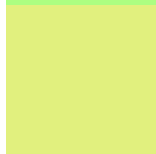
72.1777, 80.5112, 106.3438

Trichromacy



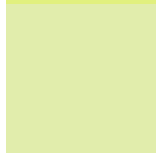
Original Color

56.4175, 81.2393, 33.4761



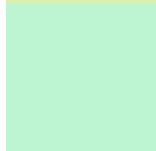
Protanomaly

65.9773, 79.8341, 31.6708



Deuteranomaly

68.7819, 79.5545, 50.7601



Tritanomaly

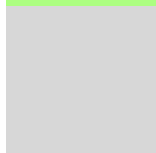
64.8456, 80.1236, 72.3693

Monochromacy



Original Color

56.4175, 81.2393, 33.4761



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.2242, 71.6414, 56.0014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4175, 81.2393, 33.4761 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(172, 254, 129)` looks like.

```
.text, #text, p{  
    color:rgb(172, 254, 129)  
}
```

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(172, 254, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 254, 129) }
```

Border

The CSS property to change the border of an element to XYZ 56.4175, 81.2393, 33.4761 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(172, 254, 129) }
```


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

```
.border{ border-color:rgb(172, 254, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 254, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 254, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 254, 129);  
box-shadow:4px 4px 4px 4px rgb(172, 254,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4175, 81.2393, 33.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 254, 129) }
```

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

```
.background{ background-color: rgb(172,  
254, 129) }
```

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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