

Converting Colors

XYZ(56.1607, 81.7599, 25.3916)

Have a look what the booklet for
XYZ(56.1607, 81.7599, 25.3916)
contains.

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Color

**XYZ(56.0628, 81.7094,
25.3871)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FF66
RGB	176, 255, 102
RGB Percent	69%, 100%, 40%
CMY	0.3098, 0.0000, 0.6000
CMYK	0.31, 0.00, 0.60, 0.00
HSL	91°, 100%, 70%
HSV	91°, 60%, 100%
XYZ	56.0628, 81.7094, 25.3871
YIQ	213.9370, 2.0290, -64.3310

Conversions

Conversions Part 2

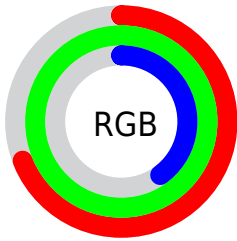
Format	Color
RYB	102, 255, 181
Decimal	11599718
CIELab	92.45, -48.12, 63.88
CIELCh	92, 79.975, 126.990
Yxy	81.7094, 0.3436, 0.5008
Android (android.graphics.Color)	4289789798 (0xFFB0FF66)
YUV	213.9370, -55.1849, -33.2707
Hunter-Lab	90.3933, -47.4807, 46.6236

Details

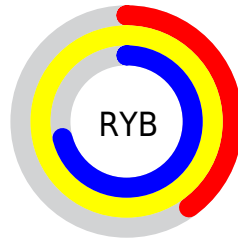
The XYZ color **56.0628, 81.7094, 25.3871** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **41.8590, 26.5480, 97.5258**, and the grayscale version is **64.2327, 67.5778, 73.5923**.

A 20% lighter version of the original color is **76.1925, 91.6508, 46.0224**, and **28.1199, 44.4216, 9.4750** is the 20% darker color. If you saturate the color by 10%, you get **52.1522, 79.8178, 19.5875**, and if you desaturate by 10%, it is **60.6515, 83.9057, 33.2503**.

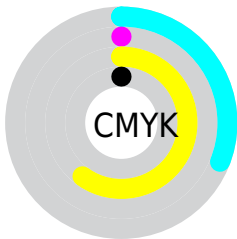
Distribution



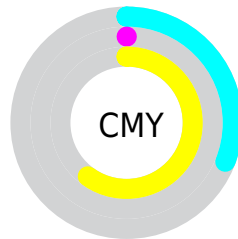
- Red (69%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (71%)



- Cyan (31%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0628, 81.7094, 25.3871 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 56.0628, 81.7094, 25.3871 by changing the saturation by 10% instead.


 56.0628, 81.7094,
25.3871

 56.0628, 81.7094,
25.3871


399.9993,
500.6751, 293.2694

 40.4905, 61.1260,
16.1441


 98.2357, 135.7664,
53.2564


 28.1071, 44.3269,
9.4707


 125.5669,
170.0088, 72.7197

 18.5473, 30.9276,
4.9485


 157.5485,
209.5731, 96.4269

 11.4457, 20.5437,
2.1588

 194.5458,
254.8435, 124.7965

 6.4369, 12.7909,
0.6505

236.9242,
306.2045, 158.2470

 3.1557, 7.2847,
0.0000

285.0490,

 1.2366, 3.6408,

364.0405, 197.1969

0.0000

339.2856,
428.7359, 242.0649

0.1350, 1.4747,
0.0000

0.0000, 0.2708,
0.0000

56.0628, 81.7094,
25.3871

56.0628, 81.7094,
25.3871

52.1522, 79.8178,
19.5875

60.6515, 83.9057,
33.2503

48.8739, 78.2114,
15.6529

65.9578, 86.4233,
43.3441


46.1755, 76.8685,
13.3519

72.0184, 89.2777,
55.8223

43.9760, 75.7555,
12.3046

78.8670, 92.4834,
70.8241

 43.9756, 75.7553,
12.3045

 86.5349, 96.0535,
88.4781

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.



72.9119, 81.7094, 16.9535



56.0628, 81.7094, 25.3871



46.4467, 81.7094, 51.3875

Triad

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



56.0628, 81.7094, 25.3871



63.0992, 81.7094, 240.8433



124.3274, 81.7094, 75.7860

Complementary

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



56.0628, 81.7094, 25.3871



41.8590, 26.5480, 97.5258

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.



120.4338, 81.7094, 141.4704



56.0628, 81.7094, 25.3871



82.6148, 81.7094, 257.1956

Square

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



56.0628, 81.7094, 25.3871



49.9757, 81.7094, 176.8483



104.1996, 81.7094, 214.8546



114.0512, 81.7094, 36.4405

Rectangle

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



56.0628, 81.7094, 25.3871



44.2693, 81.7094, 83.1058



104.1996, 81.7094, 214.8546



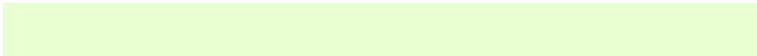
124.6578, 81.7094, 95.0988

Sweetspot

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



56.0630, 81.7095, 25.3883



80.3327, 93.1672, 74.1356



59.6591, 54.2605, 19.9006



16.7400, 19.7295, 14.8434



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.



56.0630, 81.7095, 25.3883



51.4469, 79.4740, 18.6573



43.6385, 75.3045, 24.8068



18.6077, 20.5992, 19.1396



23.1488, 39.6717, 6.4373



2.3794, 3.9274, 0.6327

Inverse Universe

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



41.8590, 26.5480, 97.5258



36.0972, 19.9065, 96.5475



64.0418, 37.9837, 98.5639



17.8977, 17.8390, 22.7499



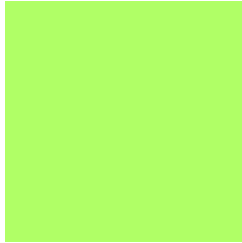
14.5502, 6.4114, 49.9052



1.5429, 0.6893, 4.8650

Previews

White Background



This preview shows how the XYZ color 56.0628, 81.7094, 25.3871 looks on a white background.

Color Contrast Check

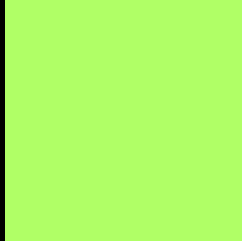
Large Text (above 18pt) WCAG AA × Fail

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 56.0628, 81.7094, 25.3871 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

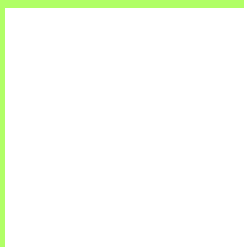
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.0628, 81.7094, 25.3871

Background



This preview shows how black text looks on a background with the XYZ color 56.0628, 81.7094, 25.3871.

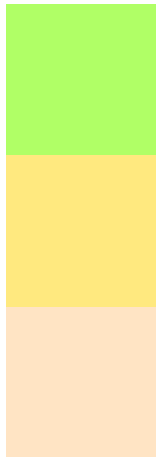


This preview shows how white text looks on a background with the XYZ color 56.0628, 81.7094,

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

56.0628, 81.7094, 25.3871

Protanopia

74.2097, 81.0701, 31.8155

Deuteranopia

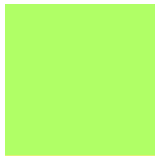
78.9472, 80.7323, 63.6465



Tritanopia

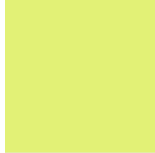
73.2531, 81.0656, 106.3941

Trichromacy



Original Color

56.0628, 81.7094, 25.3871



Protanomaly

66.0893, 80.3874, 29.1726



Deuteranomaly

68.4602, 79.9265, 46.0015



Tritanomaly

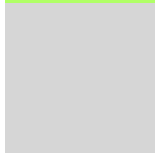
64.6518, 80.1623, 66.0982

Monochromacy



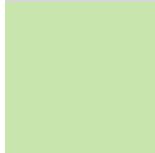
Original Color

56.0628, 81.7094, 25.3871



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.3816, 71.3351, 50.1745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0628, 81.7094, 25.3871 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(176, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 102)  
}
```

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(176, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 56.0628, 81.7094, 25.3871 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(176, 255, 102) }
```


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

```
.border{ border-color:rgb(176, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0628, 81.7094, 25.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 102) }
```

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

```
.background{ background-color: rgb(176,  
255, 102) }
```

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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