

Converting Colors

XYZ(65.5652, 100.0000,
55.7264)

Have a look what the booklet for
XYZ(65.5652, 100.0000, 55.7264)
contains.

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Color

**XYZ(56.1625, 81.1553,
52.7489)**

Conversions

Conversions Part 1

Format	Color
Hex	97FFAE
RGB	151, 255, 174
RGB Percent	59%, 100%, 68%
CMY	0.4078, 0.0000, 0.3176
CMYK	0.41, 0.00, 0.32, 0.00
HSL	133°, 100%, 80%
HSV	133°, 41%, 100%
XYZ	56.1625, 81.1553, 52.7489
YIQ	214.6700, -35.9830, -47.2390

Conversions

Conversions Part 2

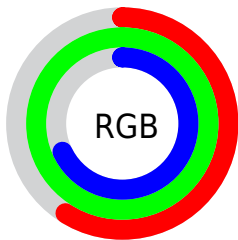
Format	Color
RYB	151, 236, 255
Decimal	9961390
CIELab	92.20, -46.81, 29.48
CIElCh	92, 55.318, 147.803
Yxy	81.1553, 0.2955, 0.4270
Android (android.graphics.Color)	4288151470 (0xFF97FFAE)
YUV	214.6700, -20.0503, -55.8386
Hunter-Lab	90.0862, -46.3686, 28.3438

Details

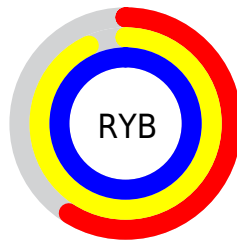
The XYZ color **56.1625, 81.1553, 52.7489** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.8723, 49.2199, 82.3191**, and the grayscale version is **64.5166, 67.8765, 73.9175**.

A 20% lighter version of the original color is **76.3374, 90.7885, 88.3634**, and **28.2614, 44.1483, 25.1211** is the 20% darker color. If you saturate the color by 10%, you get **50.1355, 78.2557, 43.0965**, and if you desaturate by 10%, it is **63.5004, 84.6976, 63.9597**.

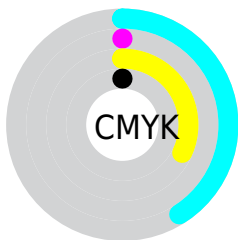
Distribution



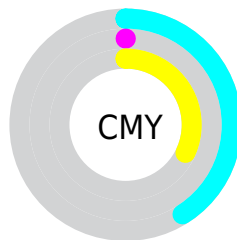
- Red (59%)
- Green (100%)
- Blue (68%)



- Red (59%)
- Yellow (93%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1625, 81.1553, 52.7489 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 56.1625, 81.1553, 52.7489 by changing the saturation by 10% instead.


 56.1625, 81.1553,
52.7489


 56.1625, 81.1553,
52.7489


400.3687,
498.8178, 414.3599

 40.5707, 60.6695,
37.2160


 98.3806, 134.9888,
95.6726

 28.1700, 43.9585,
25.0777


 125.7376,
169.1053, 123.9004

 18.5950, 30.6379,
15.9154

157.7470,
208.5342, 157.1970

 11.4802, 20.3233,
9.3106

194.7743,
253.6598, 195.9809

 6.4605, 12.6302,
4.8448

237.1848,
304.8666, 240.6706

 3.1704, 7.1744,
2.0993

285.3438,

 1.2445, 3.5714,

362.5389, 291.6846

0.6154

339.6166,
427.0612, 349.4416

0.1411, 1.4368,
0.0000

0.0000, 0.2436,
0.0000

56.1625, 81.1553,
52.7489

56.1625, 81.1553,
52.7489

50.1355, 78.2557,
43.0965

63.5004, 84.6976,
63.9597

45.3385, 75.9585,
34.9294

72.2198, 88.9177,
76.7895

41.6842, 74.2204,
28.1747

82.3885, 93.8492,
91.3008

39.0724, 72.9913,
22.7517

94.0690, 99.5231,
107.5514

■ 37.3847, 72.2121,
18.5711

95.0500, 100.0000,
108.9000

■ 36.4836, 71.8094,
15.7303

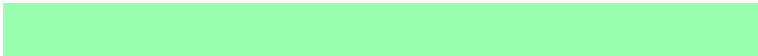
Harmonies

Analogous

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



65.0287, 81.1553, 35.4752



56.1625, 81.1553, 52.7489



52.8309, 81.1553, 85.3847

Triad

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



56.1625, 81.1553, 52.7489



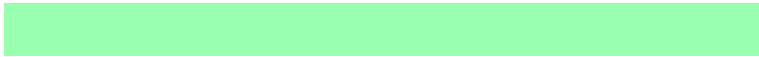
76.0881, 81.1553, 192.4872



104.0508, 81.1553, 56.5370

Complementary

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



56.1625, 81.1553, 52.7489



66.8723, 49.2199, 82.3191

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.



107.9420, 81.1553, 91.4125



56.1625, 81.1553, 52.7489



90.6592, 81.1553, 177.7295

Square

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



56.1625, 81.1553, 52.7489



63.4156, 81.1553, 172.9705



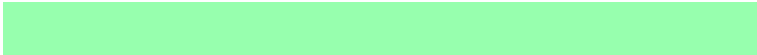
102.7714, 81.1553, 137.2153



92.7044, 81.1553, 37.1408

Rectangle

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



56.1625, 81.1553, 52.7489



53.8428, 81.1553, 114.6424



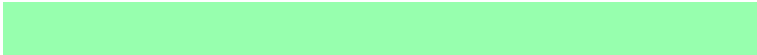
102.7714, 81.1553, 137.2153



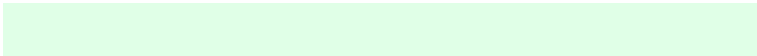
106.3310, 81.1553, 66.4440

Sweetspot

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



56.1631, 81.1556, 52.7502



81.0721, 93.2103, 89.4440



74.7766, 90.9885, 42.9003



17.0555, 19.8066, 18.7240



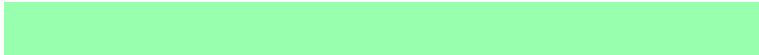
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.1631, 81.1556, 52.7502



51.1180, 78.7276, 44.7074



62.1864, 83.5649, 84.4686



17.9360, 20.2339, 19.9660



19.1086, 37.5401, 8.4574



1.8993, 3.6706, 1.0274

Inverse Universe

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



66.8723, 49.2199, 82.3191



63.1449, 42.8048, 77.8718



60.5929, 46.7082, 49.2523



18.6106, 18.2275, 21.8325



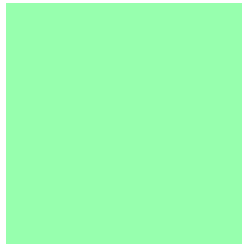
26.9698, 13.2772, 29.5550



2.6663, 1.3089, 3.0904

Previews

White Background



This preview shows how the XYZ color 56.1625, 81.1553, 52.7489 looks on a white background.

Color Contrast Check

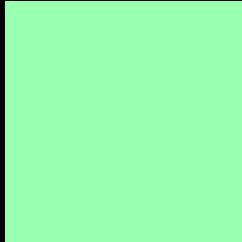
Large Text (above 18pt) WCAG AA × Fail

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 56.1625, 81.1553, 52.7489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

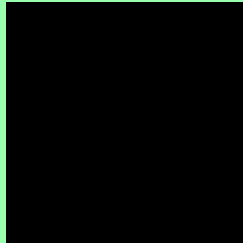
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.1625, 81.1553, 52.7489

Background



This preview shows how black text looks on a background with the XYZ color 56.1625, 81.1553, 52.7489.



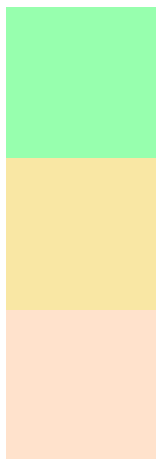
This preview shows how white text looks on a background with the XYZ color 56.1625, 81.1553,

52.7489.

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

56.1625, 81.1553, 52.7489

Protanopia

74.3437, 79.9719, 46.6397

Deuteranopia

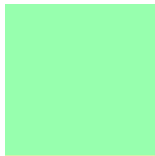
79.3354, 80.0123, 68.3892



Tritanopia

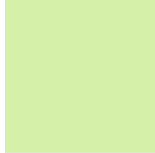
70.1964, 80.3590, 106.4188

Trichromacy



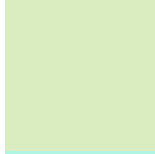
Original Color

56.1625, 81.1553, 52.7489



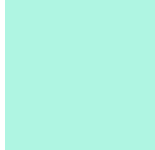
Protanomaly

65.6685, 79.2935, 48.8899



Deuteranomaly

68.5251, 79.1703, 62.1218



Tritanomaly

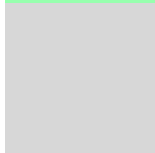
64.0591, 79.9098, 83.9994

Monochromacy



Original Color

56.1625, 81.1553, 52.7489



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.4604, 71.9702, 65.3486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1625, 81.1553, 52.7489 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(151, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 174)  
}
```

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(151, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 174) }
```

Border

The CSS property to change the border of an element to XYZ 56.1625, 81.1553, 52.7489 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(151, 255, 174) }
```


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

```
.border{ border-color:rgb(151, 255, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1625, 81.1553, 52.7489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 174) }
```

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

```
.background{ background-color: rgb(151,  
255, 174) }
```

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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