

Converting Colors

XYZ(56.4557, 81.9996, 21.4463)

Have a look what the booklet for
XYZ(56.4557, 81.9996, 21.4463)
contains.

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Color

**XYZ(56.4557, 81.9996,
21.4463)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FF55
RGB	181, 255, 85
RGB Percent	71%, 100%, 33%
CMY	0.2902, 0.0000, 0.6666
CMYK	0.29, 0.00, 0.67, 0.00
HSL	86°, 100%, 67%
HSV	86°, 67%, 100%
XYZ	56.4557, 81.9996, 21.4463
YIQ	213.4940, 10.4660, -68.5580

Conversions

Conversions Part 2

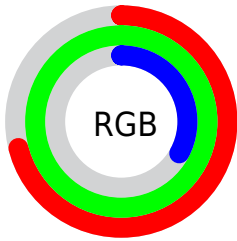
Format	Color
RYB	85, 255, 159
Decimal	11927381
CIELab	92.57, -47.69, 70.83
CIElCh	93, 85.392, 123.954
Yxy	81.9996, 0.3531, 0.5128
Android (android.graphics.Color)	4290117461 (0xFFB5FF55)
YUV	213.4940, -63.3475, -28.4972
Hunter-Lab	90.5536, -47.1830, 49.3456

Details

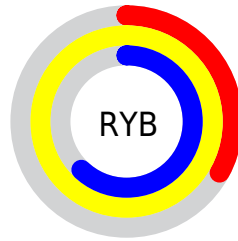
The XYZ color **56.4557, 81.9996, 21.4463** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **35.5982, 21.0894, 96.8022**, and the grayscale version is **63.9833, 67.3154, 73.3065**.

A 20% lighter version of the original color is **76.9181, 92.1738, 39.3285**, and **28.4351, 44.6282, 7.4962** is the 20% darker color. If you saturate the color by 10%, you get **53.1184, 80.3758, 16.9212**, and if you desaturate by 10%, it is **60.3656, 83.8764, 27.9047**.

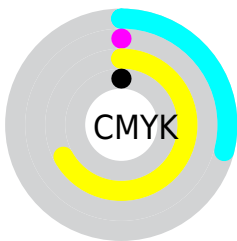
Distribution



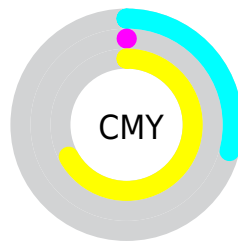
- Red (71%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (62%)



- Cyan (29%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4557, 81.9996, 21.4463 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 56.4557, 81.9996, 21.4463 by changing the saturation by 10% instead.


 56.4557, 81.9996,
21.4463


 56.4557, 81.9996,
21.4463


401.4538,
501.6464, 272.4994

 40.8068, 61.3652,
13.2562


 98.8065, 136.1734,
46.7195


 28.3552, 44.5200,
7.4724


 126.2391,
170.4817, 64.6397

 18.7354, 31.0795,
3.6764


 158.3304,
210.1166, 86.6404

 11.5821, 20.6594,
1.4495

 195.4457,
255.4627, 113.1401

 6.5300, 12.8753,
0.1799

237.9503,
306.9044, 144.5572

 3.2136, 7.3427,
0.0000

286.2096,

 1.2677, 3.6773,

364.8259, 181.3105

0.0000

340.5890,
429.6118, 223.8184

■ 0.1589, 1.4948,
0.0000

■ 0.0000, 0.2850,
0.0000

■ 56.4557, 81.9996,
21.4463

■ 56.4557, 81.9996,
21.4463

■ 53.1184, 80.3758,
16.9212

■ 60.3656, 83.8764,
27.9047

■ 50.3070, 78.9859,
14.1081

■ 64.8875, 86.0224,
36.4787

■ 47.9648, 77.8064,
12.7344

■ 70.0572, 88.4525,
47.3331

■ 47.2608, 77.4489,
12.4582

■ 75.9068, 91.1802,
60.6157

■ 82.4665, 94.2179,
76.4617

■ 89.7639, 97.5772,
94.9964

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.



75.0331, 81.9996, 14.4473



56.4557, 81.9996, 21.4463



45.5484, 81.9996, 45.6626

Triad

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



56.4557, 81.9996, 21.4463



60.6661, 81.9996, 250.1929



128.7167, 81.9996, 81.1204

Complementary

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



56.4557, 81.9996, 21.4463



35.5982, 21.0894, 96.8022

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.



122.8950, 81.9996, 154.3960



56.4557, 81.9996, 21.4463



80.9173, 81.9996, 275.0595

Square

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



56.4557, 81.9996, 21.4463



47.6359, 81.9996, 176.3895



104.2774, 81.9996, 233.8170



118.9524, 81.9996, 36.9512

Rectangle

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



56.4557, 81.9996, 21.4463



42.7452, 81.9996, 77.0232



104.2774, 81.9996, 233.8170



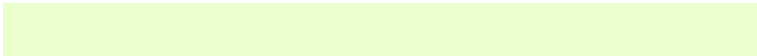
128.5272, 81.9996, 102.7806

Sweetspot

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



56.4559, 81.9997, 21.4475



80.1978, 93.1695, 70.8834



55.2213, 46.5988, 14.6795



16.7699, 19.7589, 14.2148



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.



56.4559, 81.9997, 21.4475



52.1247, 79.8873, 15.8045



42.2595, 74.6812, 20.7831



18.7532, 20.6742, 19.1465



24.8693, 40.5587, 6.5179



2.5468, 4.0137, 0.6405

Inverse Universe

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



35.5982, 21.0894, 96.8022



30.0160, 15.1460, 95.9492



58.4917, 32.8915, 97.8736



17.7531, 17.7645, 22.7431



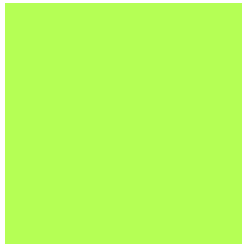
13.0212, 5.6231, 49.8337



1.3904, 0.6107, 4.8579

Previews

White Background



This preview shows how the XYZ color 56.4557, 81.9996, 21.4463 looks on a white background.

Color Contrast Check

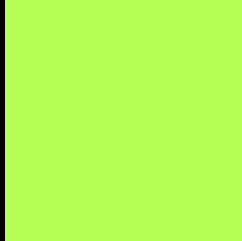
Large Text (above 18pt) WCAG AA × Fail

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 56.4557, 81.9996, 21.4463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

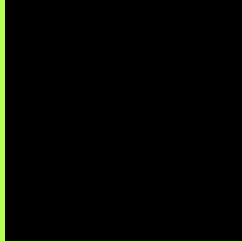
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.4557, 81.9996, 21.4463

Background



This preview shows how black text looks on a background with the XYZ color 56.4557, 81.9996, 21.4463.

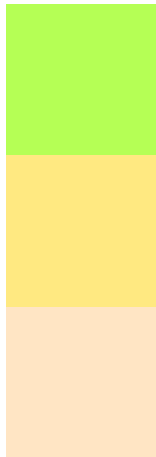


This preview shows how white text looks on a background with the XYZ color 56.4557, 81.9996, 21.4463.

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

56.4557, 81.9996, 21.4463

Protanopia

74.3414, 81.1228, 32.5089

Deuteranopia

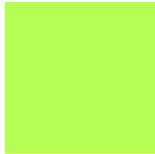
79.2231, 81.2841, 63.7385



Tritanopia

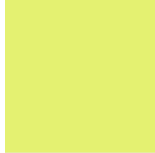
74.3567, 81.6345, 106.4458

Trichromacy



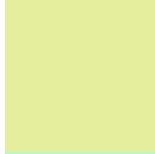
Original Color

56.4557, 81.9996, 21.4463



Protanomaly

66.4308, 80.5968, 27.6783



Deuteranomaly

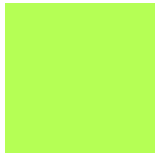
68.5702, 80.0434, 43.2884



Tritanomaly

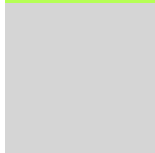
65.2650, 80.5574, 62.5614

Monochromacy



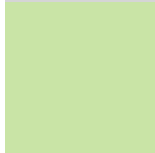
Original Color

56.4557, 81.9996, 21.4463



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

58.7137, 70.6575, 46.6201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4557, 81.9996, 21.4463 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(181, 255, 85)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 85)  
}
```

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(181, 255, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 85) }
```

Border

The CSS property to change the border of an element to XYZ 56.4557, 81.9996, 21.4463 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(181, 255, 85) }
```


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

```
.border{ border-color:rgb(181, 255, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 85);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4557, 81.9996, 21.4463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 85) }
```

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

```
.background{ background-color: rgb(181,  
255, 85) }
```

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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