

Converting Colors

XYZ(74.7683, 64.5782,
203.9988)

Have a look what the booklet for
XYZ(74.7683, 64.5782, 203.9988)
contains.

XYZ(55.4867, 56.8375, 102.6540)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.4867, 56.8375,
102.6540)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC7FF
RGB	172, 199, 255
RGB Percent	67%, 78%, 100%
CMY	0.3255, 0.2196, 0.0000
CMYK	0.33, 0.22, 0.00, 0.00
HSL	220°, 100%, 84%
HSV	220°, 33%, 100%
XYZ	55.4867, 56.8375, 102.6540
YIQ	197.3110, -34.0680, 11.6920

Conversions

Conversions Part 2

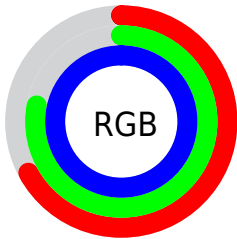
Format	Color
RYB	172, 192, 255
Decimal	11323391
CIELab	80.09, 3.71, -30.44
CIELCh	80, 30.667, 276.947
Yxy	56.8375, 0.2581, 0.2644
Android (android.graphics.Color)	4289513471 (0xFFACC7FF)
YUV	197.3110, 28.4407, -22.1977
Hunter-Lab	75.3906, -0.5596, -27.9575

Details

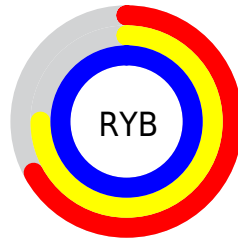
The XYZ color **55.4867, 56.8375, 102.6540** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.4302, 79.7256, 50.3919**, and the grayscale version is **53.1085, 55.8743, 60.8471**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **27.6546, 28.1099, 57.3943** is the 20% darker color. If you saturate the color by 10%, you get **46.6807, 46.7510, 101.1712**, and if you desaturate by 10%, it is **65.8174, 68.3769, 104.3369**.

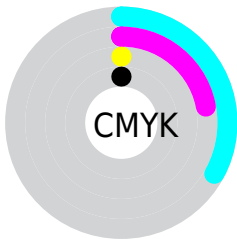
Distribution



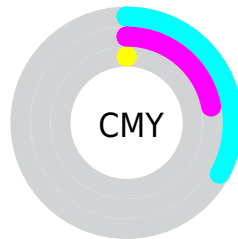
- Red (67%)
- Green (78%)
- Blue (100%)



- Red (67%)
- Yellow (75%)
- Blue (100%)



- Cyan (33%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4867, 56.8375, 102.6540 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 55.4867, 56.8375, 102.6540 by changing the saturation by 10% instead.

■ 55.4867, 56.8375,
102.6540

■ 55.4867, 56.8375,
102.6540

397.8607,
412.8401, 589.9877

■ 40.0269, 40.8748,
77.8897

■ 97.3979, 100.2280,
166.8832

■ 27.7438, 28.2213,
57.4674

124.5799,
128.4247, 207.1852

■ 18.2721, 18.4925,
40.9688

156.4001,
161.4680, 253.5034

■ 11.2464, 11.3042,
27.9752

193.2238,
199.7426, 306.2565

■ 6.3013, 6.2718,
18.0681

235.4164,
243.6326, 365.8629

■ 3.0716, 3.0111,
10.8289

283.3431,

■ 1.1917, 1.1375,

293.5227, 432.7412

5.8392

337.3694,
349.7970, 507.3100

■ 0.0998, 0.0098,
2.6803

■ 0.0000, 0.0000,
0.9335

■ 55.4867, 56.8375,
102.6540

■ 55.4867, 56.8375,
102.6540

■ 46.6807, 46.7510,
101.1712

■ 65.8174, 68.3769,
104.3369

■ 39.3178, 38.0495,
99.8798

■ 77.7385, 81.4203,
106.2262

■ 33.3163, 30.6690,
98.7715

■ 91.3180, 96.0241,
108.3293

■ 28.5834, 24.5370,
97.8373

95.0500, 100.0000,
108.9000

■ 25.0135, 19.5728,
97.0673

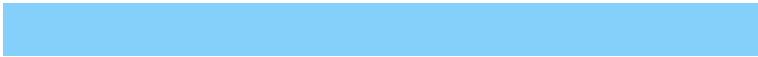
■ 22.4812, 15.6836,
96.4501

■ 21.1398, 13.3997,
96.0799

Harmonies

Analogous

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



49.4582, 56.8375, 99.2011



55.4867, 56.8375, 102.6540



61.5610, 56.8375, 93.6163

Triad

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



55.4867, 56.8375, 102.6540



64.1915, 56.8375, 43.4424



43.7158, 56.8375, 49.3804

Complementary

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



55.4867, 56.8375, 102.6540



76.4302, 79.7256, 50.3919

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.



47.1257, 56.8375, 38.2831



55.4867, 56.8375, 102.6540



58.8590, 56.8375, 35.3441

Square

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



55.4867, 56.8375, 102.6540



66.8313, 56.8375, 57.8222



52.5840, 56.8375, 33.6561



42.9644, 56.8375, 66.1366

Rectangle

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



55.4867, 56.8375, 102.6540



64.7175, 56.8375, 82.5872



52.5840, 56.8375, 33.6561



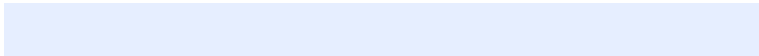
44.5756, 56.8375, 44.9705

Sweetspot

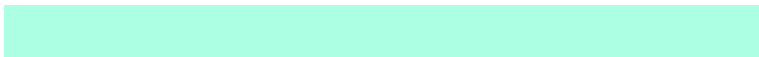
The Sweet Spot groups the original color and five complimentary colors.



55.4884, 56.8396, 102.6543



81.0379, 84.9905, 106.7414



66.6855, 85.8556, 85.9725



16.9530, 17.7672, 22.7858



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.



55.4884, 56.8396, 102.6543



49.6358, 50.1679, 101.6750



53.0133, 47.1452, 100.9136



17.4855, 18.3426, 22.8688



11.1659, 7.2414, 50.2438



1.1817, 0.8941, 4.9236

Inverse Universe

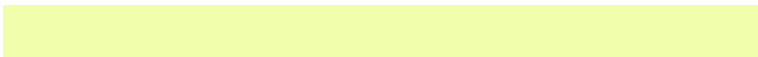
The Inverse Universe completely reimagines the original color for something new.



66.3025, 54.8902, 61.1354



62.1197, 48.5128, 53.6117



79.5395, 93.2289, 52.8345



18.2530, 18.0845, 19.9492



22.4242, 11.4590, 5.6185



2.2311, 1.1348, 0.7983

Previews

White Background



This preview shows how the XYZ color 55.4867, 56.8375, 102.6540 looks on a white background.

Color Contrast Check

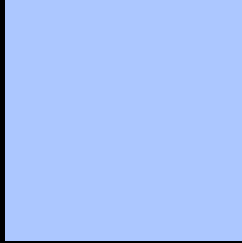
Large Text (above 18pt) WCAG AA × Fail

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 55.4867, 56.8375, 102.6540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

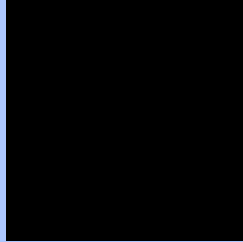
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

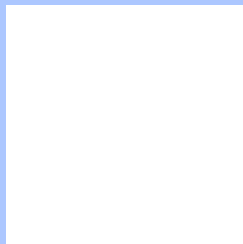
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.4867, 56.8375, 102.6540

Background



This preview shows how black text looks on a background with the XYZ color 55.4867, 56.8375, 102.6540.



This preview shows how white text looks on a background with the XYZ color 55.4867, 56.8375,

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

55.4867, 56.8375, 102.6540

Protanopia

57.2367, 56.7621, 100.8680

Deuteranopia

58.0586, 56.8150, 102.5141



Tritanopia

50.1923, 56.7756, 76.7200

Trichromacy



Original Color

55.4867, 56.8375, 102.6540

Protanomaly

56.6780, 56.7916, 101.7405

Deuteranomaly

57.0813, 56.6449, 102.5328

Tritanomaly

52.0003, 56.8106, 85.3156

Monochromacy



Original Color

55.4867, 56.8375, 102.6540

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

53.5880, 56.1415, 74.3417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4867, 56.8375, 102.6540 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, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 199, 255)  
}
```

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, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.4867, 56.8375, 102.6540 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, 199, 255) }
```


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

```
.border{ border-color:rgb(172, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4867, 56.8375, 102.6540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 199, 255) }
```

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

```
.background{ background-color: rgb(172,  
199, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor