

Converting Colors

XYZ(55.9021, 48.3098,
100.9861)

Have a look what the booklet for
XYZ(55.9021, 48.3098, 100.9861)
contains.

XYZ(55.9016, 48.3516, 100.9942)	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(55.9016, 48.3516,
100.9942)**

Conversions

Conversions Part 1

Format	Color
Hex	C6ABFF
RGB	198, 171, 255
RGB Percent	78%, 67%, 100%
CMY	0.2235, 0.3294, 0.0000
CMYK	0.22, 0.33, 0.00, 0.00
HSL	259°, 100%, 84%
HSV	259°, 33%, 100%
XYZ	55.9016, 48.3516, 100.9942
YIQ	188.6490, -10.8720, 31.8480

Conversions

Conversions Part 2

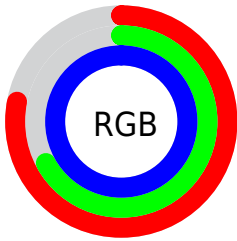
Format	Color
RYB	198, 171, 255
Decimal	13020159
CIELab	75.05, 26.48, -38.07
CIELCh	75, 46.376, 304.820
Yxy	48.3516, 0.2724, 0.2356
Android (android.graphics.Color)	4291210239 (0xFFC6ABFF)
YUV	188.6490, 32.7110, 8.2008
Hunter-Lab	69.5353, 21.8149, -37.4390

Details

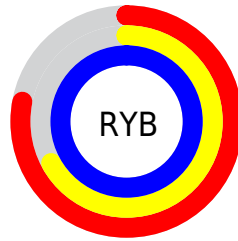
The XYZ color **55.9016, 48.3516, 100.9942** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **75.1064, 90.9546, 52.1275**, and the grayscale version is **47.9945, 50.4939, 54.9879**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **28.1176, 23.1105, 56.4049** is the 20% darker color. If you saturate the color by 10%, you get **47.2382, 37.4126, 99.3394**, and if you desaturate by 10%, it is **66.0182, 61.4211, 102.9837**.

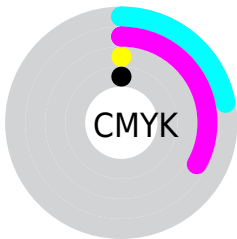
Distribution



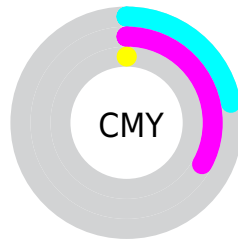
- Red (78%)
- Green (67%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9016, 48.3516, 100.9942 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 55.9016, 48.3516, 100.9942 by changing the saturation by 10% instead.

■ 55.9016, 48.3516,
100.9942

■ 55.9016, 48.3516,
100.9942

399.4016,
380.1841, 584.6494

■ 40.3607, 34.1054,
76.5096

■ 98.0013, 87.7277,
164.5865

■ 28.0054, 22.9746,
56.3413

125.2909,
113.6263, 204.5314

■ 18.4702, 14.5747,
40.0708

157.2274,
144.1780, 250.4667

■ 11.3898, 8.5215,
27.2795

194.1762,
179.7669, 302.8110

■ 6.3989, 4.4304,
17.5490

236.5027,
220.7776, 361.9829

■ 3.1321, 1.9171,
10.4606

284.5722,

■ 1.2240, 0.5586,

267.5945, 428.4009

5.5958

338.7500,
320.6018, 502.4835

■ 0.1252, 0.0000,
2.5361

■ 0.0000, 0.0000,
0.8592

■ 55.9016, 48.3516,
100.9942

■ 55.9016, 48.3516,
100.9942

■ 47.2382, 37.4126,
99.3394

■ 66.0182, 61.4211,
102.9837

■ 39.9524, 28.4823,
97.9996

■ 77.6494, 76.7227,
105.3241

■ 33.9681, 21.4348,
96.9548

■ 90.8584, 94.3582,
108.0319

■ 29.1995, 16.1273,
96.1816

■ 95.0500, 100.0000,
108.9000

■ 25.5491, 12.3957,
95.6538

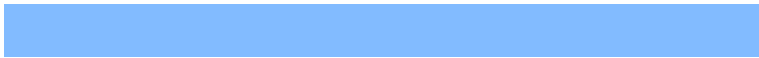
■ 22.9011, 10.0420,
95.3390

■ 21.5266, 9.0122,
95.2127

Harmonies

Analogous

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



47.3394, 48.3516, 114.1729



55.9016, 48.3516, 100.9942



62.3341, 48.3516, 75.0989

Triad

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



55.9016, 48.3516, 100.9942



53.2430, 48.3516, 20.7036



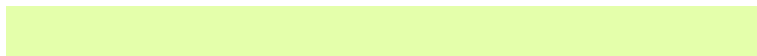
31.5586, 48.3516, 56.6654

Complementary

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



55.9016, 48.3516, 100.9942



75.1064, 90.9546, 52.1275

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.



32.7330, 48.3516, 35.1851



55.9016, 48.3516, 100.9942



44.6013, 48.3516, 18.4957

Square

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



55.9016, 48.3516, 100.9942



60.6716, 48.3516, 30.2453



37.2674, 48.3516, 22.8802



33.8371, 48.3516, 84.0370

Rectangle

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



55.9016, 48.3516, 100.9942



64.1672, 48.3516, 56.9728



37.2674, 48.3516, 22.8802



31.5655, 48.3516, 48.5453

Sweetspot

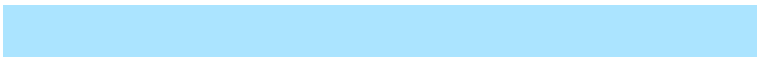
The Sweet Spot groups the original color and five complimentary colors.



55.9031, 48.3535, 100.9945



81.3659, 81.6604, 106.0813



62.6994, 71.5862, 105.1207



17.0317, 16.9680, 22.6274



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.



55.9031, 48.3535, 100.9945



49.6389, 40.4148, 99.7923



68.4134, 54.8028, 101.5800



17.5526, 17.6611, 22.7338



11.3853, 4.7798, 49.7571



1.2169, 0.5213, 4.8497

Inverse Universe

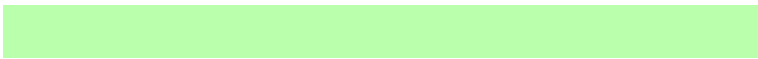
The Inverse Universe completely reimagines the original color for something new.



69.8074, 55.9888, 80.5273



65.8448, 49.3279, 75.3087



63.4589, 84.9501, 51.5824



18.5297, 18.1952, 21.4064



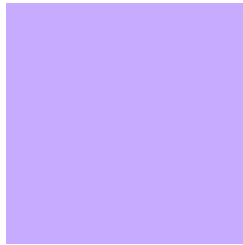
25.5631, 12.7145, 22.1474



2.5389, 1.2580, 2.4195

Previews

White Background



This preview shows how the XYZ color 55.9016, 48.3516, 100.9942 looks on a white background.

Color Contrast Check

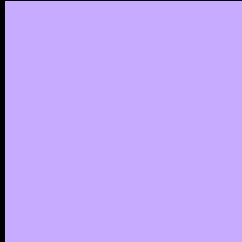
Large Text (above 18pt) WCAG AA × Fail

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 55.9016, 48.3516, 100.9942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

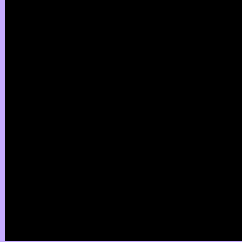
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.9016, 48.3516, 100.9942

Background



This preview shows how black text looks on a background with the XYZ color 55.9016, 48.3516, 100.9942.



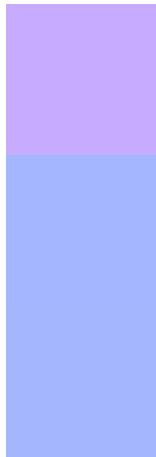
This preview shows how white text looks on a background with the XYZ color 55.9016, 48.3516,

100.9942.

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

55.9016, 48.3516, 100.9942

Protanopia

49.8822, 48.4624, 101.3329

Deuteranopia

49.7674, 48.4403, 99.6554



Tritanopia

47.7506, 48.5896, 59.6853

Trichromacy



Original Color

55.9016, 48.3516, 100.9942

Protanomaly

51.8749, 48.2909, 101.1947

Deuteranomaly

51.7143, 48.2267, 100.3490

Tritanomaly

50.5132, 48.5086, 73.0304

Monochromacy



Original Color

55.9016, 48.3516, 100.9942

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

50.4764, 49.4665, 69.8384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9016, 48.3516, 100.9942 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(198, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 171, 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(198, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.9016, 48.3516, 100.9942 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(198, 171, 255) }
```


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

```
.border{ border-color:rgb(198, 171, 255) }
```

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

Here you see how a box with a 4 pixel rgb(198, 171, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9016, 48.3516, 100.9942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 171, 255) }
```

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

```
.background{ background-color: rgb(198,  
171, 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