

Converting Colors

XYZ(55.3275, 45.6172,
100.4967)

Have a look what the booklet for
XYZ(55.3275, 45.6172, 100.4967)
contains.

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Color

**XYZ(55.3275, 45.6172,
100.4967)**

Conversions

Conversions Part 1

Format	Color
Hex	CAA2FF
RGB	202, 162, 255
RGB Percent	79%, 64%, 100%
CMY	0.2078, 0.3647, 0.0000
CMYK	0.21, 0.36, 0.00, 0.00
HSL	266°, 100%, 82%
HSV	266°, 36%, 100%
XYZ	55.3275, 45.6172, 100.4967
YIQ	184.5620, -6.0130, 37.4030

Conversions

Conversions Part 2

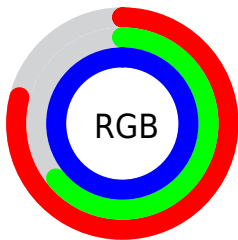
Format	Color
RYB	202, 162, 255
Decimal	13279999
CIELab	73.30, 32.58, -40.77
CIELCh	73, 52.189, 308.633
Yxy	45.6172, 0.2747, 0.2265
Android (android.graphics.Color)	4291470079 (0xFFCAA2FF)
YUV	184.5620, 34.7259, 15.2931
Hunter-Lab	67.5405, 28.0269, -40.9420

Details

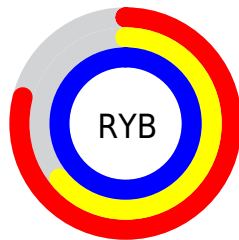
The XYZ color **55.3275, 45.6172, 100.4967** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.3065, 88.5760, 47.5755**, and the grayscale version is **45.6882, 48.0676, 52.3456**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **27.6230, 21.3401, 56.0892** is the 20% darker color. If you saturate the color by 10%, you get **47.5342, 35.5949, 98.9729**, and if you desaturate by 10%, it is **64.4046, 57.6553, 102.3418**.

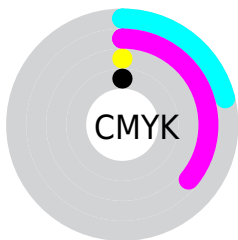
Distribution



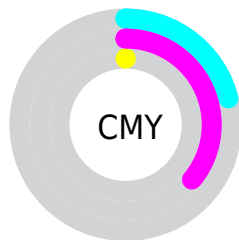
- Red (79%)
- Green (64%)
- Blue (100%)



- Red (79%)
- Yellow (64%)
- Blue (100%)



- Cyan (21%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3275, 45.6172, 100.4967 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 55.3275, 45.6172, 100.4967 by changing the saturation by 10% instead.

55.3275, 45.6172,
100.4967

55.3275, 45.6172,
100.4967

397.2684,
369.2675, 583.0442

39.8989, 31.9439,
76.0962

97.1662, 83.6458,
163.8974

27.6436, 21.3186,
56.0043

124.3069,
108.7699, 203.7347

18.1962, 13.3571,
39.8023

156.0824,
138.4796, 249.5548

11.1915, 7.6749,
27.0719

192.8580,
173.1594, 301.7760

6.2640, 3.8876,
17.3943

234.9990,
213.1938, 360.8171

3.0485, 1.6109,
10.3511

282.8709,

1.1794, 0.3649,

258.9669, 427.0964

5.5237

336.8389,
310.8634, 501.0326

■ 0.0900, 0.0000,
2.4936

■ 0.0000, 0.0000,
0.8368

■ 55.3275, 45.6172,
100.4967

■ 55.3275, 45.6172,
100.4967

■ 47.5342, 35.5949,
98.9729

■ 64.4046, 57.6553,
102.3418

■ 40.9549, 27.4670,
97.7508

■ 74.8219, 71.8105,
104.5250

■ 35.5191, 21.1071,
96.8097

■ 86.6370, 88.1833,
107.0626

■ 31.1458, 16.3702,
96.1259

95.0500, 100.0000,
108.9000

■ 27.7420, 13.0871,
95.6716

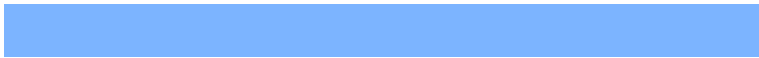
■ 25.1931, 11.0475,
95.4123

■ 24.4406, 10.5145,
95.3491

Harmonies

Analogous

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



46.0594, 45.6172, 118.2139



55.3275, 45.6172, 100.4967



61.9437, 45.6172, 70.4388

Triad

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



55.3275, 45.6172, 100.4967



50.1063, 45.6172, 15.9171



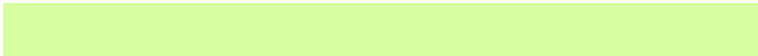
28.1538, 45.6172, 57.6437

Complementary

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



55.3275, 45.6172, 100.4967



70.3065, 88.5760, 47.5755

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.



28.9198, 45.6172, 33.4456



55.3275, 45.6172, 100.4967



40.7639, 45.6172, 14.5976

Square

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



55.3275, 45.6172, 100.4967



58.6458, 45.6172, 24.3371



33.2524, 45.6172, 19.7383



30.9883, 45.6172, 88.3497

Rectangle

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



55.3275, 45.6172, 100.4967



63.4877, 45.6172, 50.8841



33.2524, 45.6172, 19.7383



28.0080, 45.6172, 48.4742

Sweetspot

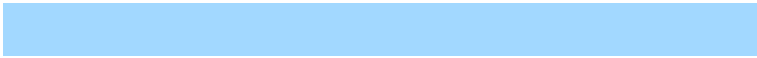
The Sweet Spot groups the original color and five complimentary colors.



55.3289, 45.6190, 100.4969



81.1070, 80.4841, 105.8679



57.5714, 64.1425, 103.9541



17.0183, 16.7532, 22.5867



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.



55.3289, 45.6190, 100.4969



49.3432, 37.8890, 99.3204



69.4171, 52.8817, 101.1562



17.7439, 17.7597, 22.7427



12.9338, 5.5781, 49.8296



1.3815, 0.6061, 4.8574

Inverse Universe

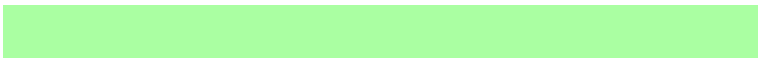
The Inverse Universe completely reimagines the original color for something new.



66.4268, 52.0083, 70.8280



62.2633, 45.3373, 64.3348



58.8062, 82.6474, 47.0373



18.4432, 18.1606, 20.9508



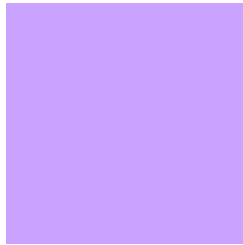
24.3086, 12.2127, 15.5413



2.4216, 1.2110, 1.8017

Previews

White Background



This preview shows how the XYZ color 55.3275, 45.6172, 100.4967 looks on a white background.

Color Contrast Check

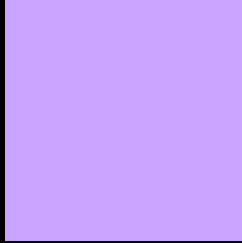
Large Text (above 18pt) WCAG AA × Fail

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 55.3275, 45.6172, 100.4967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

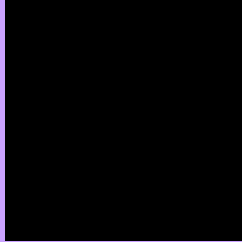
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.3275, 45.6172, 100.4967

Background



This preview shows how black text looks on a background with the XYZ color 55.3275, 45.6172, 100.4967.



This preview shows how white text looks on a background with the XYZ color 55.3275, 45.6172,

100.4967.

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

55.3275, 45.6172, 100.4967

Protanopia

47.4880, 46.0294, 100.9894

Deuteranopia

47.0087, 45.8376, 98.4654



Tritanopia

46.1965, 45.8012, 54.5498

Trichromacy



Original Color

55.3275, 45.6172, 100.4967

Protanomaly

49.8158, 45.4957, 100.7637

Deuteranomaly

49.4954, 45.3676, 99.0766

Tritanomaly

49.0788, 45.5320, 69.1526

Monochromacy



Original Color

55.3275, 45.6172, 100.4967

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

48.8409, 47.1738, 67.5040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3275, 45.6172, 100.4967 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(202, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 162, 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(202, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 162, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.3275, 45.6172, 100.4967 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(202, 162, 255) }
```


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

```
.border{ border-color:rgb(202, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 162,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3275, 45.6172, 100.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 162, 255) }
```

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

```
.background{ background-color: rgb(202,  
162, 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](#).

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