

Converting Colors

XYZ(64.9911, 44.6251,
151.4442)

Have a look what the booklet for
XYZ(64.9911, 44.6251, 151.4442)
contains.

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Color

**XYZ(55.1636, 40.7121,
99.5585)**

Conversions

Conversions Part 1

Format	Color
Hex	D58EFF
RGB	213, 142, 255
RGB Percent	84%, 56%, 100%
CMY	0.1647, 0.4431, 0.0000
CMYK	0.16, 0.44, 0.00, 0.00
HSL	278°, 100%, 78%
HSV	278°, 44%, 100%
XYZ	55.1636, 40.7121, 99.5585
YIQ	176.1110, 6.0430, 50.1950

Conversions

Conversions Part 2

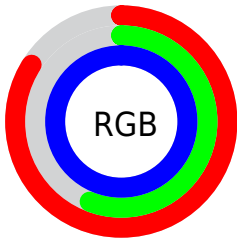
Format	Color
R_{YB}	213, 142, 255
Decimal	13995775
CIE _{Lab}	69.97, 46.49, -45.89
CIE _{LCh}	70, 65.325, 315.374
Yxy	40.7121, 0.2823, 0.2083
Android (android.graphics.Color)	4292185855 (0xFFD58EFF)
YUV	176.1110, 38.8923, 32.3517
Hunter-Lab	63.8060, 42.6619, -47.8478

Details

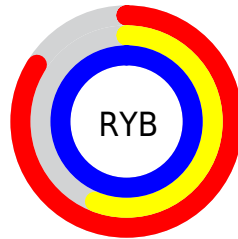
The XYZ color **55.1636, 40.7121, 99.5585** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.4102, 83.6636, 38.5575**, and the grayscale version is **41.1274, 43.2692, 47.1201**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **27.5595, 18.4575, 55.5362** is the 20% darker color. If you saturate the color by 10%, you get **49.1255, 32.5977, 98.3105**, and if you desaturate by 10%, it is **62.2328, 50.6480, 101.1038**.

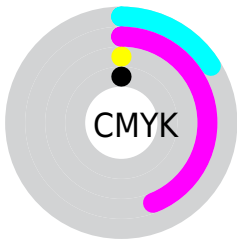
Distribution



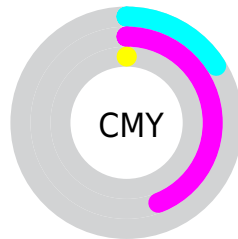
- Red (84%)
- Green (56%)
- Blue (100%)



- Red (84%)
- Yellow (56%)
- Blue (100%)



- Cyan (16%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1636, 40.7121, 99.5585 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 55.1636, 40.7121, 99.5585 by changing the saturation by 10% instead.


 55.1636, 40.7121,
99.5585

 55.1636, 40.7121,
99.5585


396.6581,
349.1159, 580.0108

 39.7671, 28.0942,
75.3170


 96.9275, 76.2467,
162.5969

 27.5404, 18.3967,
55.3694

 124.0257, 99.9321,
202.2309

 18.1182, 11.2352,
39.2969


155.7550,
128.0755, 247.8329

 11.1351, 6.2252,
26.6812

192.4810,
161.0613, 299.8214

 6.2257, 2.9825,
17.1036

234.5690,
199.2738, 358.6149

 3.0248, 1.1226,
10.1457

282.3842,

 1.1669, 0.0000,

243.0975, 424.6319

5.3888

336.2922,
292.9167, 498.2911

■ 0.0800, 0.0000,
2.4144

■ 0.0000, 0.0000,
0.7943

■ 55.1636, 40.7121,
99.5585

■ 55.1636, 40.7121,
99.5585

■ 49.1255, 32.5977,
98.3105

■ 62.2328, 50.6480,
101.1038

■ 44.0518, 26.1785,
97.3389

■ 70.3859, 62.5104,
102.9637

■ 39.8733, 21.3196,
96.6213

■ 79.6768, 76.4021,
105.1554

■ 36.5089, 17.8625,
96.1313

■ 90.1542, 92.4168,
107.6943

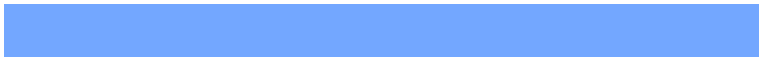
■ 33.8591, 15.6132, 95.0500, 100.0000,
95.8368 108.9000

■ 32.5920, 14.7167,
95.7306

Harmonies

Analogous

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



44.3786, 40.7121, 128.2516



55.1636, 40.7121, 99.5585



62.0657, 40.7121, 60.8347

Triad

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



55.1636, 40.7121, 99.5585



44.0962, 40.7121, 8.3650



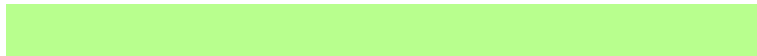
22.1279, 40.7121, 61.7528

Complementary

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



55.1636, 40.7121, 99.5585



60.4102, 83.6636, 38.5575

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.



22.0803, 40.7121, 31.1159



55.1636, 40.7121, 99.5585



33.5198, 40.7121, 8.4304

Square

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



55.1636, 40.7121, 99.5585



54.9244, 40.7121, 14.3324



25.8821, 40.7121, 14.5890



26.0270, 40.7121, 100.4902

Rectangle

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



55.1636, 40.7121, 99.5585



62.8543, 40.7121, 39.0627



25.8821, 40.7121, 14.5890



21.6883, 40.7121, 50.0475

Sweetspot

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



55.1650, 40.7137, 99.5588



80.9830, 78.3805, 105.4684



46.6218, 47.8027, 101.3774



16.8659, 16.0688, 22.4626



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.



55.1650, 40.7137, 99.5588



49.8615, 33.5632, 98.4581



66.9131, 47.0070, 89.4070



18.1000, 17.9433, 22.7594



17.2006, 7.7777, 50.0293



1.7956, 0.8196, 4.8768

Inverse Universe

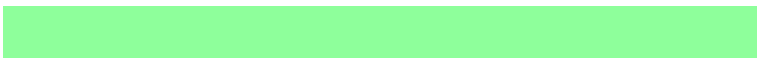
The Inverse Universe completely reimagines the original color for something new.



59.5654, 44.0679, 50.7146



55.2018, 37.5622, 42.4113



52.8481, 79.6440, 43.6801



18.2885, 18.0987, 20.1366



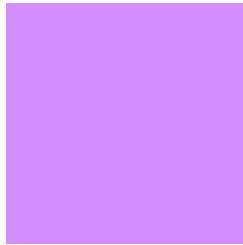
22.6888, 11.5648, 7.0114



2.2598, 1.1463, 0.9497

Previews

White Background



This preview shows how the XYZ color 55.1636, 40.7121, 99.5585 looks on a white background.

Color Contrast Check

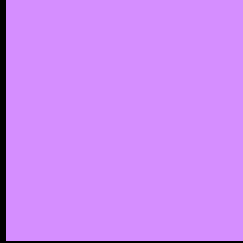
Large Text (above 18pt) WCAG AA × Fail

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 55.1636, 40.7121, 99.5585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

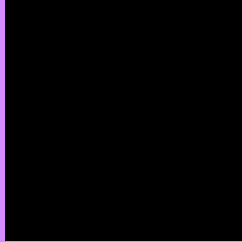
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.1636, 40.7121, 99.5585

Background



This preview shows how black text looks on a background with the XYZ color 55.1636, 40.7121, 99.5585.



This preview shows how white text looks on a background with the XYZ color 55.1636, 40.7121,

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

55.1636, 40.7121, 99.5585

Protanopia

43.2225, 41.2587, 100.2934

Deuteranopia

42.2775, 41.1405, 96.1551



Tritanopia

43.9330, 40.4381, 45.0250

Trichromacy



Original Color

55.1636, 40.7121, 99.5585



Protanomaly

46.3845, 40.2318, 99.9285



Deuteranomaly

45.8674, 40.2769, 97.4522

Tritanomaly

47.3476, 40.0734, 61.7394

Monochromacy



Original Color

55.1636, 40.7121, 99.5585



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

45.2812, 41.7775, 63.4349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1636, 40.7121, 99.5585 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(213, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 142, 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(213, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 142, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.1636, 40.7121, 99.5585 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(213, 142, 255) }
```


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

```
.border{ border-color:rgb(213, 142, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 142,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1636, 40.7121, 99.5585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 142, 255) }
```

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

```
.background{ background-color: rgb(213,  
142, 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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