

Converting Colors

XYZ(75.4365, 55.7505,
161.1759)

Have a look what the booklet for
XYZ(75.4365, 55.7505, 161.1759)
contains.

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Color

**XYZ(63.9993, 51.1504,
101.1076)**

Conversions

Conversions Part 1

Format	Color
Hex	E5A6FF
RGB	229, 166, 255
RGB Percent	90%, 65%, 100%
CMY	0.1020, 0.3490, 0.0000
CMYK	0.10, 0.35, 0.00, 0.00
HSL	282°, 100%, 83%
HSV	282°, 35%, 100%
XYZ	63.9993, 51.1504, 101.1076
YIQ	194.9830, 8.9790, 41.0350

Conversions

Conversions Part 2

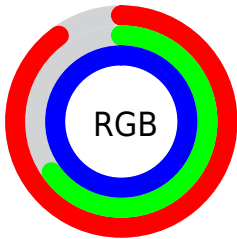
Format	Color
R _Y B	229, 166, 255
Decimal	15050495
CIE Lab	76.77, 38.37, -35.17
CIE LCh	77, 52.054, 317.491
Yxy	51.1504, 0.2959, 0.2365
Android (android.graphics.Color)	4293240575 (0xFFE5A6FF)
YUV	194.9830, 29.5884, 29.8329
Hunter-Lab	71.5195, 34.5718, -33.7550

Details

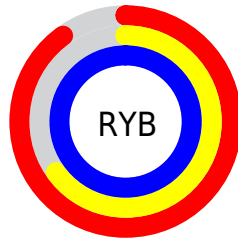
The XYZ color **63.9993, 51.1504, 101.1076** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.3822, 85.4801, 49.1846**, and the grayscale version is **51.6887, 54.3805, 59.2204**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **33.1114, 24.6581, 56.4404** is the 20% darker color. If you saturate the color by 10%, you get **57.4895, 41.5831, 99.6041**, and if you desaturate by 10%, it is **71.5332, 62.6123, 102.9229**.

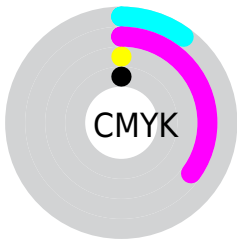
Distribution



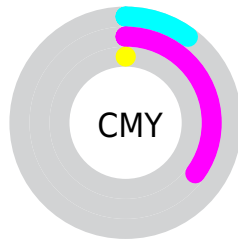
- Red (90%)
- Green (65%)
- Blue (100%)



- Red (90%)
- Yellow (65%)
- Blue (100%)



- Cyan (10%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9993, 51.1504, 101.1076 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 63.9993, 51.1504, 101.1076 by changing the saturation by 10% instead.


 63.9993, 51.1504,
101.1076


 63.9993, 51.1504,
101.1076


428.7894,
391.1478, 585.0149

 46.9118, 36.3283,
76.6038


 109.6837, 91.8771,
164.7436

 33.1736, 24.6879,
56.4182


 139.0112,
118.5504, 204.7129

 22.4193, 15.8447,
40.1320


173.1495,
149.9430, 250.6744

 14.2837, 9.4143,
27.3269

212.4639,
186.4392, 303.0468

 8.4012, 5.0124,
17.5843

257.3197,
228.4233, 362.2484

 4.4067, 2.2545,
10.4856

308.0823,

 1.9347, 0.7495,

276.2799, 428.6980

5.6123

365.1171,
330.3933, 502.8140

■ 0.5969, 0.0000,
2.5459

■ 0.0000, 0.0000,
0.8643

■ 63.9993, 51.1504,
101.1076

■ 63.9993, 51.1504,
101.1076

■ 57.4895, 41.5831,
99.6041

■ 71.5332, 62.6123,
102.9229

■ 51.9431, 33.7943,
98.3930

■ 80.1378, 76.0634,
105.0657

■ 47.3002, 27.6647,
97.4546

■ 89.8623, 91.5993,
107.5519

■ 43.4914, 23.0576,
96.7660

■ 95.0500, 100.0000,
108.9000

■ 40.4359, 19.8134,
96.3009

■ 38.0348, 17.7363,
96.0265

■ 36.9909, 16.9844,
95.9364

Harmonies

Analogous

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



54.5497, 51.1504, 125.3185



63.9993, 51.1504, 101.1076



69.6081, 51.1504, 68.3208

Triad

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



63.9993, 51.1504, 101.1076



52.8462, 51.1504, 17.6890



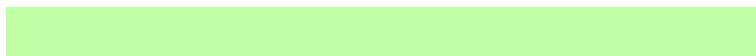
32.6637, 51.1504, 73.6880

Complementary

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



63.9993, 51.1504, 101.1076



64.3822, 85.4801, 49.1846

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.



32.3371, 51.1504, 44.7276



63.9993, 51.1504, 101.1076



43.1307, 51.1504, 18.2646

Square

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



63.9993, 51.1504, 101.1076



62.6076, 51.1504, 24.4573



35.9208, 51.1504, 26.4397



36.8832, 51.1504, 106.1640

Rectangle

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



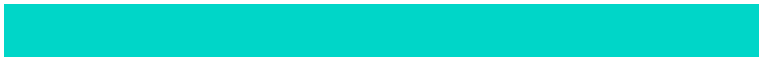
63.9993, 51.1504, 101.1076



69.9754, 51.1504, 48.9014



35.9208, 51.1504, 26.4397



32.1176, 51.1504, 63.0884

Sweetspot

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



64.0009, 51.1525, 101.1079



84.7602, 83.4102, 106.2402



52.7813, 53.3363, 102.1208



17.8524, 17.3911, 22.6658



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.



64.0009, 51.1525, 101.1079



59.2759, 44.1700, 100.0092



70.1925, 54.6603, 87.1257



18.2455, 18.0183, 22.7662



19.4846, 8.9552, 50.1362



2.0061, 0.9281, 4.8867

Inverse Universe

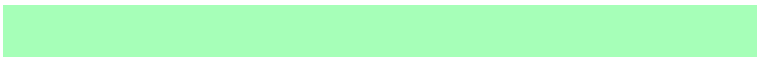
The Inverse Universe completely reimagines the original color for something new.



64.3918, 52.3400, 56.5794



59.9698, 45.6707, 48.4014



60.1180, 83.0800, 58.1071



18.2276, 18.0744, 19.8158



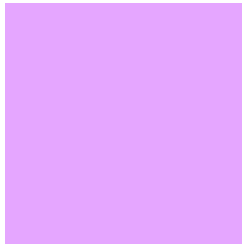
22.2594, 11.3931, 4.7505



2.2125, 1.1274, 0.7003

Previews

White Background



This preview shows how the XYZ color 63.9993, 51.1504, 101.1076 looks on a white background.

Color Contrast Check

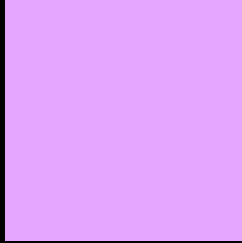
Large Text (above 18pt) WCAG AA × Fail

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 63.9993, 51.1504, 101.1076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

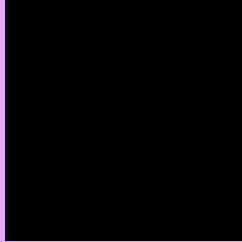
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9993, 51.1504, 101.1076

Background



This preview shows how black text looks on a background with the XYZ color 63.9993, 51.1504, 101.1076.



This preview shows how white text looks on a background with the XYZ color 63.9993, 51.1504,

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

63.9993, 51.1504, 101.1076

Protanopia

52.6108, 51.7325, 101.8202

Deuteranopia

52.8621, 51.6196, 98.4442



Tritanopia

55.2609, 51.3061, 57.4426

Trichromacy



Original Color

63.9993, 51.1504, 101.1076



Protanomaly

55.8571, 50.9389, 101.4959



Deuteranomaly

56.1965, 50.8706, 98.9526

Tritanomaly

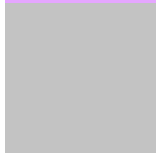
57.9621, 50.9179, 71.7390

Monochromacy



Original Color

63.9993, 51.1504, 101.1076



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

55.3970, 52.5561, 72.8703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9993, 51.1504, 101.1076 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(229, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 166, 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(229, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 166, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.9993, 51.1504, 101.1076 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(229, 166, 255) }
```


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

```
.border{ border-color:rgb(229, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 166,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9993, 51.1504, 101.1076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 166, 255) }
```

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

```
.background{ background-color: rgb(229,  
166, 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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