

Converting Colors

XYZ(63.4735, 45.2188, 99.9904)

Have a look what the booklet for
XYZ(63.4735, 45.2188, 99.9904)
contains.

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Color

**XYZ(63.4691, 45.2156,
99.9900)**

Conversions

Conversions Part 1

Format	Color
Hex	EF8FFF
RGB	239, 143, 255
RGB Percent	94%, 56%, 100%
CMY	0.0627, 0.4392, 0.0000
CMYK	0.06, 0.44, 0.00, 0.00
HSL	291°, 100%, 78%
HSV	291°, 44%, 100%
XYZ	63.4691, 45.2156, 99.9900
YIQ	184.4720, 21.2640, 55.1840

Conversions

Conversions Part 2

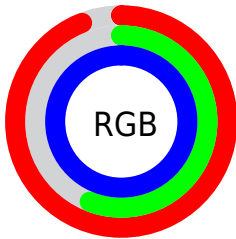
Format	Color
R _Y B	239, 143, 255
Decimal	15699967
CIE Lab	73.03, 53.26, -40.89
CIE LCh	73, 67.152, 322.485
Yxy	45.2156, 0.3042, 0.2167
Android (android.graphics.Color)	4293890047 (0xFFEF8FFF)
YUV	184.4720, 34.7703, 47.8211
Hunter-Lab	67.2425, 50.8087, -41.0947

Details

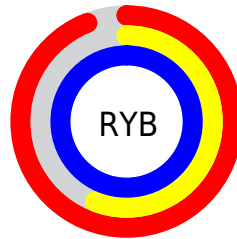
The XYZ color **63.4691, 45.2156, 99.9900** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.0169, 80.8745, 38.6992**, and the grayscale version is **45.6276, 48.0038, 52.2762**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **32.8215, 21.0457, 55.7584** is the 20% darker color. If you saturate the color by 10%, you get **58.8501, 37.7840, 98.7990**, and if you desaturate by 10%, it is **68.9857, 54.4036, 101.4727**.

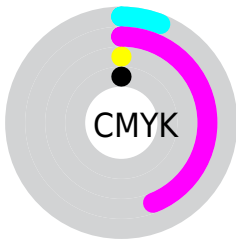
Distribution



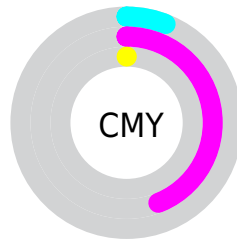
- Red (94%)
- Green (56%)
- Blue (100%)



- Red (94%)
- Yellow (56%)
- Blue (100%)



- Cyan (6%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4691, 45.2156, 99.9900 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 63.4691, 45.2156, 99.9900 by changing the saturation by 10% instead.

 63.4691, 45.2156,
99.9900


 63.4691, 45.2156,
99.9900


426.9026,
367.6460, 581.4070

 46.4809, 31.6273,
75.6753


 108.9240, 83.0438,
163.1952

 32.8317, 21.0770,
55.6613


 138.1214,
108.0526, 202.9228

 22.1562, 13.1803,
39.5292


172.1193,
137.6369, 248.6252

 14.0889, 7.5528,
26.8607

211.2829,
172.1812, 300.7208

 8.2647, 3.8102,
17.2371

255.9777,
212.0698, 359.6283

 4.3180, 1.5679,
10.2400

306.5690,

 1.8836, 0.3358,

257.6873, 425.7661

5.4507

363.4222,
309.4179, 499.5529

■ 0.5673, 0.0000,
2.4507

■ 0.0000, 0.0000,
0.8139

■ 63.4691, 45.2156,
99.9900

■ 63.4691, 45.2156,
99.9900

■ 58.8501, 37.7840,
98.7990

■ 68.9857, 54.4036,
101.4727

■ 55.0645, 31.9837,
97.8790

■ 75.4498, 65.4506,
103.2643

■ 52.0465, 27.6819,
97.2077

■ 82.9126, 78.4579,
105.3817

■ 49.7177, 24.7227,
96.7593

■ 91.4206, 93.5180,
107.8401

■ 47.9828, 22.9152, 95.0500, 100.0000,
96.5018 108.9000

■ 47.1357, 22.2142,
96.4112

Harmonies

Analogous

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



52.1942, 45.2156, 136.3118



63.4691, 45.2156, 99.9900



69.4468, 45.2156, 58.1749

Triad

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



63.4691, 45.2156, 99.9900



45.9946, 45.2156, 8.9412



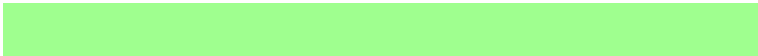
25.3196, 45.2156, 78.3062

Complementary

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



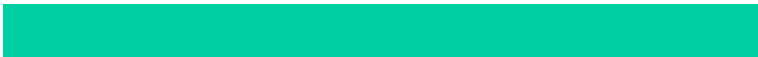
63.4691, 45.2156, 99.9900



55.0169, 80.8745, 38.6992

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.



24.2655, 45.2156, 41.2562



63.4691, 45.2156, 99.9900



34.9127, 45.2156, 10.4125

Square

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



63.4691, 45.2156, 99.9900



58.2304, 45.2156, 13.7094



27.4503, 45.2156, 19.4372



30.6496, 45.2156, 120.3197

Rectangle

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



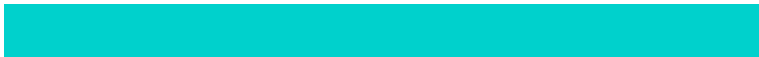
63.4691, 45.2156, 99.9900



68.9800, 45.2156, 36.5437



27.4503, 45.2156, 19.4372



24.4983, 45.2156, 64.5624

Sweetspot

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



63.4705, 45.2175, 99.9903



83.6507, 79.7558, 105.5933



41.9154, 38.1338, 99.7591



17.5287, 16.4105, 22.4936



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.



63.4705, 45.2175, 99.9903



59.2392, 38.3975, 98.8970



63.4322, 45.8540, 70.3389



18.5226, 18.1611, 22.7792



24.7271, 11.6578, 50.3815



2.4744, 1.1695, 4.9086

Inverse Universe

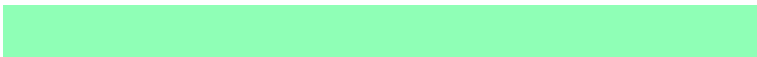
The Inverse Universe completely reimagines the original color for something new.



57.3214, 43.4097, 38.1599



52.6100, 36.5255, 28.7629



55.5531, 80.7459, 57.0237



18.1150, 18.0293, 19.2230



21.7503, 11.1894, 2.0698



2.1480, 1.1016, 0.3609

Previews

White Background



This preview shows how the XYZ color 63.4691, 45.2156, 99.9900 looks on a white background.

Color Contrast Check

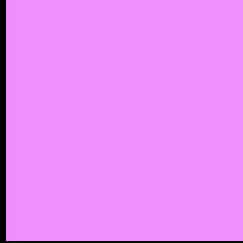
Large Text (above 18pt) WCAG AA × Fail

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 63.4691, 45.2156, 99.9900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

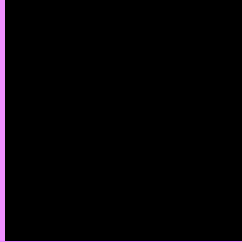
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4691, 45.2156, 99.9900

Background



This preview shows how black text looks on a background with the XYZ color 63.4691, 45.2156, 99.9900.



This preview shows how white text looks on a background with the XYZ color 63.4691, 45.2156,

99.9900.

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

63.4691, 45.2156, 99.9900

Protanopia

47.0986, 45.5343, 100.9144

Deuteranopia

46.7257, 45.4519, 95.9329



Tritanopia

52.3798, 45.0397, 45.9772

Trichromacy



Original Color

63.4691, 45.2156, 99.9900



Protanomaly

51.5127, 44.4446, 100.4714



Deuteranomaly

51.3612, 44.4401, 97.1376

Tritanomaly

55.6138, 44.5788, 62.1733

Monochromacy



Original Color

63.4691, 45.2156, 99.9900



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

50.7227, 45.8664, 67.1525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4691, 45.2156, 99.9900 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(239, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 143, 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(239, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 143, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.4691, 45.2156, 99.9900 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(239, 143, 255) }
```


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

```
.border{ border-color:rgb(239, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 143,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4691, 45.2156, 99.9900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 143, 255) }
```

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

```
.background{ background-color: rgb(239,  
143, 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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