

Converting Colors

XYZ(78.1631, 48.5178,
176.4920)

Have a look what the booklet for
XYZ(78.1631, 48.5178, 176.4920)
contains.

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Color

**XYZ(63.4745, 42.6857,
99.5014)**

Conversions

Conversions Part 1

Format	Color
Hex	F483FF
RGB	244, 131, 255
RGB Percent	96%, 51%, 100%
CMY	0.0431, 0.4863, 0.0000
CMYK	0.04, 0.49, 0.00, 0.00
HSL	295°, 100%, 76%
HSV	295°, 49%, 100%
XYZ	63.4745, 42.6857, 99.5014
YIQ	178.9230, 27.5440, 62.5200

Conversions

Conversions Part 2

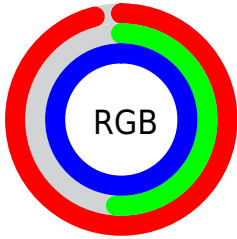
Format	Color
R_{YB}	244, 131, 255
Decimal	16024575
CIE _{Lab}	71.34, 60.57, -43.49
CIE _{LCh}	71, 74.570, 324.319
Yxy	42.6857, 0.3086, 0.2076
Android (android.graphics.Color)	4294214655 (0xFFFF483FF)
YUV	178.9230, 37.5060, 57.0725
Hunter-Lab	65.3343, 59.0838, -44.5622

Details

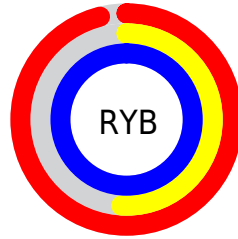
The XYZ color **63.4745, 42.6857, 99.5014** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.0131, 78.9100, 34.0172**, and the grayscale version is **42.6046, 44.8233, 48.8126**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **32.7851, 19.5604, 55.4736** is the 20% darker color. If you saturate the color by 10%, you get **59.6820, 36.2577, 98.4606**, and if you desaturate by 10%, it is **68.1221, 50.8075, 100.8241**.

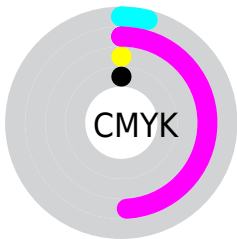
Distribution



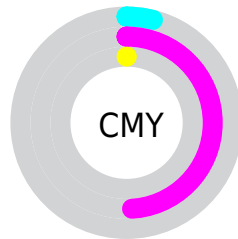
- Red (96%)
- Green (51%)
- Blue (100%)



- Red (96%)
- Yellow (51%)
- Blue (100%)



- Cyan (4%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4745, 42.6857, 99.5014 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 63.4745, 42.6857, 99.5014 by changing the saturation by 10% instead.


 63.4745, 42.6857,
99.5014


 63.4745, 42.6857,
99.5014


426.9218,
357.3176, 579.8259


 46.4853, 29.6386,
75.2696

 108.9318, 79.2364,
162.5177

 32.8352, 19.5644,
55.3308


 138.1305,
103.5087, 202.1394

 22.1588, 12.0788,
39.2662


 172.1298,
132.2915, 247.7280

 14.0909, 6.7974,
26.6575

211.2950,
165.9693, 299.7023

 8.2660, 3.3357,
17.0860

255.9914,
204.9264, 358.4807

 4.3189, 1.3094,
10.1332

306.5845,

 1.8841, 0.1485,

249.5473, 424.4817

5.3806

363.4395,
300.2162, 498.1240

■ 0.5676, 0.0000,
2.4096

■ 0.0000, 0.0000,
0.7917

■ 63.4745, 42.6857,
99.5014

■ 63.4745, 42.6857,
99.5014

■ 59.6820, 36.2577,
98.4606

■ 68.1221, 50.8075,
100.8241

■ 56.6773, 31.3922,
97.6798

■ 73.6771, 60.7308,
102.4468

■ 54.3901, 27.9474,
97.1355

■ 80.1926, 72.5608,
104.3868

■ 52.7354, 25.7534,
96.7992

■ 87.7164, 86.3929,
106.6601

■ 51.5920, 24.5680,
96.6306

95.0500, 100.0000,
108.9000

■ 51.4527, 24.4397,
96.6132

Harmonies

Analogous

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



51.3320, 42.6857, 142.0598



63.4745, 42.6857, 99.5014



69.6013, 42.6857, 53.6523

Triad

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



63.4745, 42.6857, 99.5014



43.0049, 42.6857, 6.0657



22.3288, 42.6857, 81.1052

Complementary

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



63.4745, 42.6857, 99.5014



51.0131, 78.9100, 34.0172

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.



20.9989, 42.6857, 39.9726



63.4745, 42.6857, 99.5014



31.4308, 42.6857, 7.6800

Square

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



63.4745, 42.6857, 99.5014



56.3205, 42.6857, 9.9273



23.9701, 42.6857, 16.7172



28.0716, 42.6857, 128.1464

Rectangle

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



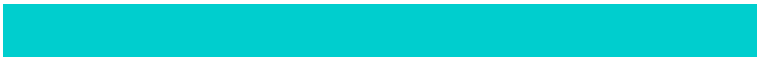
63.4745, 42.6857, 99.5014



68.7015, 42.6857, 31.4066



23.9701, 42.6857, 16.7172



21.4081, 42.6857, 65.7313

Sweetspot

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



63.4759, 42.6875, 99.5017



82.8012, 77.3391, 105.1716



37.2943, 31.8125, 98.7825



17.3947, 15.9521, 22.4122



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.



63.4759, 42.6875, 99.5017



59.8954, 36.6125, 98.5178



60.4251, 41.9213, 62.9194



18.6244, 18.2136, 22.7839



26.9509, 12.8042, 50.4856



2.6688, 1.2697, 4.9177

Inverse Universe

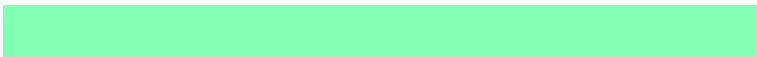
The Inverse Universe completely reimagines the original color for something new.



54.2398, 39.4472, 30.3480



49.9116, 33.1576, 21.6084



53.4208, 79.6657, 56.0644



18.0748, 18.0132, 19.0110



21.6497, 11.1492, 1.5398



2.1291, 1.0940, 0.2613

Previews

White Background



This preview shows how the XYZ color 63.4745, 42.6857, 99.5014 looks on a white background.

Color Contrast Check

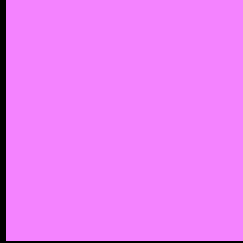
Large Text (above 18pt) WCAG AA × Fail

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 63.4745, 42.6857, 99.5014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

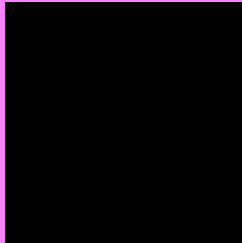
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4745, 42.6857, 99.5014

Background



This preview shows how black text looks on a background with the XYZ color 63.4745, 42.6857, 99.5014.



This preview shows how white text looks on a background with the XYZ color 63.4745, 42.6857,

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

63.4745, 42.6857, 99.5014

Protanopia

44.8476, 43.2181, 100.5860

Deuteranopia

44.1265, 42.9921, 93.9683



Tritanopia

51.3708, 42.6186, 40.6406

Trichromacy



Original Color

63.4745, 42.6857, 99.5014



Protanomaly

49.5683, 41.6188, 100.0284



Deuteranomaly

49.2493, 41.5462, 95.8660

Tritanomaly

54.7955, 42.1149, 58.0643

Monochromacy



Original Color

63.4745, 42.6857, 99.5014



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

48.8114, 43.0422, 64.7668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4745, 42.6857, 99.5014 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(244, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 131, 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(244, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 131, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.4745, 42.6857, 99.5014 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(244, 131, 255) }
```


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

```
.border{ border-color:rgb(244, 131, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 131,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4745, 42.6857, 99.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 131, 255) }
```

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

```
.background{ background-color: rgb(244,  
131, 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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