

Converting Colors

XYZ(67.0360, 44.8853,
133.1529)

Have a look what the booklet for
XYZ(67.0360, 44.8853, 133.1529)
contains.

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Color

**XYZ(60.4584, 42.1520,
99.5574)**

Conversions

Conversions Part 1

Format	Color
Hex	E988FF
RGB	233, 136, 255
RGB Percent	91%, 53%, 100%
CMY	0.0863, 0.4666, 0.0000
CMYK	0.09, 0.47, 0.00, 0.00
HSL	289°, 100%, 77%
HSV	289°, 47%, 100%
XYZ	60.4584, 42.1520, 99.5574
YIQ	178.5690, 19.6130, 57.5730

Conversions

Conversions Part 2

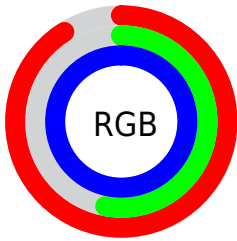
Format	Color
R_{YB}	233, 136, 255
Decimal	15304959
CIE _{Lab}	70.98, 55.11, -44.16
CIE _{LCh}	71, 70.623, 321.295
Yxy	42.1520, 0.2991, 0.2085
Android (android.graphics.Color)	4293495039 (0xFFE988FF)
YUV	178.5690, 37.6805, 47.7360
Hunter-Lab	64.9246, 52.6030, -45.4700

Details

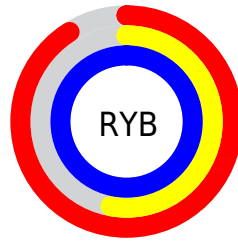
The XYZ color **60.4584, 42.1520, 99.5574** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.3055, 80.5672, 35.9833**, and the grayscale version is **42.4189, 44.6280, 48.5998**.

A 20% lighter version of the original color is **78.1396, 66.1793, 103.2632**, and **30.8895, 19.2258, 55.5090** is the 20% darker color. If you saturate the color by 10%, you get **55.7669, 35.0223, 98.4285**, and if you desaturate by 10%, it is **66.0479, 51.0147, 100.9735**.

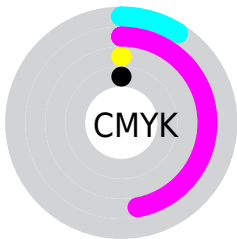
Distribution



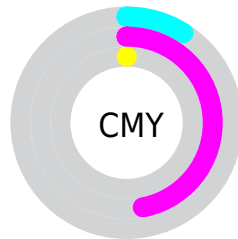
- Red (91%)
- Green (53%)
- Blue (100%)



- Red (91%)
- Yellow (53%)
- Blue (100%)



- Cyan (9%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.4584, 42.1520, 99.5574 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 60.4584, 42.1520, 99.5574 by changing the saturation by 10% instead.


 60.4584, 42.1520,
99.5574

 60.4584, 42.1520,
99.5574


416.0931,
355.1126, 580.0073


 44.0391, 29.2203,
75.3161

 104.5969, 78.4296,
162.5954

 30.8993, 19.2476,
55.3686


 133.0468,
102.5444, 202.2292

 20.6736, 11.8493,
39.2963


 166.2377,
131.1556, 247.8309

 12.9967, 6.6411,
26.6807

204.5348,
164.6477, 299.8191

 7.5033, 3.2387,
17.1033

248.3035,
203.4050, 358.6123

 3.8279, 1.2576,
10.1454

297.9093,

 1.6052, 0.1080,

247.8120, 424.6290

5.3886

353.7173,
298.2531, 498.2878

■ 0.3958, 0.0000,
2.4143

■ 0.0000, 0.0000,
0.7942

■ 60.4584, 42.1520,
99.5574

■ 60.4584, 42.1520,
99.5574

■ 55.7669, 35.0223,
98.4285

■ 66.0479, 51.0147,
100.9735

■ 51.9074, 29.4971,
97.5654

■ 72.5872, 61.7163,
102.6944

■ 48.8112, 25.4384,
96.9452

■ 80.1286, 74.3604,
104.7375

■ 46.3962, 22.6824,
96.5405

■ 88.7196, 89.0411,
107.1184

■ 44.5590, 21.0230, 95.0500, 100.0000,
96.3171 108.9000

■ 44.0228, 20.6095,
96.2655

Harmonies

Analogous

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



48.8626, 42.1520, 136.7023



60.4584, 42.1520, 99.5574



66.8717, 42.1520, 56.4261

Triad

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



60.4584, 42.1520, 99.5574



43.5895, 42.1520, 7.0074



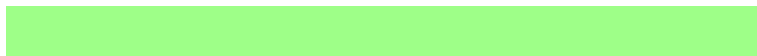
22.4543, 42.1520, 73.7041

Complementary

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



60.4584, 42.1520, 99.5574



54.3055, 80.5672, 35.9833

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.



21.5920, 42.1520, 36.7655



60.4584, 42.1520, 99.5574



32.3909, 42.1520, 8.1122

Square

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



60.4584, 42.1520, 99.5574



55.9556, 42.1520, 11.6122



24.8651, 42.1520, 16.1172



27.5083, 42.1520, 117.3764

Rectangle

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



60.4584, 42.1520, 99.5574



66.6219, 42.1520, 34.3310



24.8651, 42.1520, 16.1172



21.7099, 42.1520, 59.8049

Sweetspot

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



60.4598, 42.1538, 99.5576



82.3133, 78.0694, 105.3383



40.7411, 37.5285, 99.7042



17.2386, 16.0648, 22.4422



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.



60.4598, 42.1538, 99.5576



56.0522, 35.4450, 98.4950



62.8708, 44.0002, 72.4054



18.4440, 18.1206, 22.7755



23.1214, 10.8300, 50.3063



2.3327, 1.0965, 4.9020

Inverse Universe

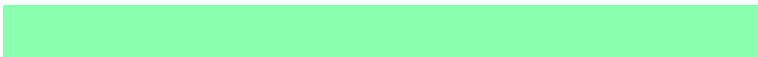
The Inverse Universe completely reimagines the original color for something new.



56.2168, 41.3385, 37.3655



51.6872, 34.7449, 28.2550



53.3322, 79.7219, 51.4577



18.1465, 18.0419, 19.3887



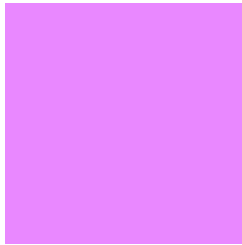
21.8575, 11.2323, 2.6340



2.1632, 1.1076, 0.4408

Previews

White Background



This preview shows how the XYZ color 60.4584, 42.1520, 99.5574 looks on a white background.

Color Contrast Check

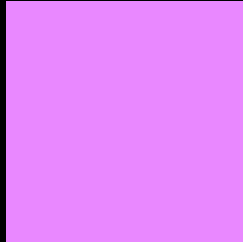
Large Text (above 18pt) WCAG AA × Fail

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 60.4584, 42.1520, 99.5574 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 60.4584, 42.1520, 99.5574

Background



This preview shows how black text looks on a background with the XYZ color 60.4584, 42.1520, 99.5574.



This preview shows how white text looks on a background with the XYZ color 60.4584, 42.1520,

99.5574.

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

60.4584, 42.1520, 99.5574

Protanopia

44.2900, 42.3656, 100.4508

Deuteranopia

43.5499, 42.3934, 94.6943



Tritanopia

48.7751, 41.9762, 42.5773

Trichromacy



Original Color

60.4584, 42.1520, 99.5574



Protanomaly

48.4083, 41.0208, 99.9742



Deuteranomaly

48.1708, 41.2263, 96.6854

Tritanomaly

52.2241, 41.6726, 59.9347

Monochromacy



Original Color

60.4584, 42.1520, 99.5574



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

47.9129, 42.8415, 64.7754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.4584, 42.1520, 99.5574 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(233, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 136, 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(233, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 136, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.4584, 42.1520, 99.5574 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(233, 136, 255) }
```


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

```
.border{ border-color:rgb(233, 136, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 136,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.4584, 42.1520, 99.5574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 136, 255) }
```

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

```
.background{ background-color: rgb(233,  
136, 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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