

Converting Colors

XYZ(64.5236, 42.1875,
100.0402)

Have a look what the booklet for
XYZ(64.5236, 42.1875, 100.0402)
contains.

XYZ(64.5778, 42.2814, 99.3653)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.5778, 42.2814,
99.3653)**

Conversions

Conversions Part 1

Format	Color
Hex	F97EFF
RGB	249, 126, 255
RGB Percent	98%, 49%, 100%
CMY	0.0235, 0.5059, 0.0000
CMYK	0.02, 0.51, 0.00, 0.00
HSL	297°, 100%, 75%
HSV	297°, 51%, 100%
XYZ	64.5778, 42.2814, 99.3653
YIQ	177.4830, 31.8990, 66.1950

Conversions

Conversions Part 2

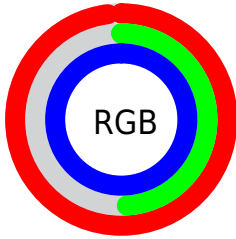
Format	Color
R _Y B	249, 126, 255
Decimal	16350975
CIE _{Lab}	71.06, 64.28, -43.88
CIE _{LCh}	71, 77.832, 325.680
Yxy	42.2814, 0.3131, 0.2050
Android (android.graphics.Color)	4294541055 (0xFFFF97EFF)
YUV	177.4830, 38.2159, 62.7204
Hunter-Lab	65.0241, 63.4824, -45.0859

Details

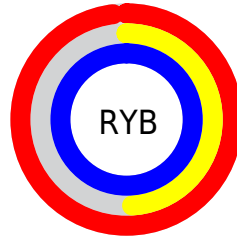
The XYZ color **64.5778, 42.2814, 99.3653** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **49.0425, 77.9323, 32.1982**, and the grayscale version is **41.8387, 44.0176, 47.9351**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **33.5564, 19.2806, 55.3790** is the 20% darker color. If you saturate the color by 10%, you get **61.3021, 36.3545, 98.3939**, and if you desaturate by 10%, it is **68.6898, 49.8750, 100.6142**.

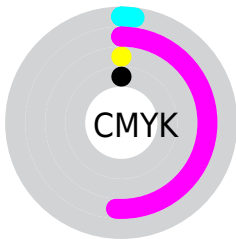
Distribution



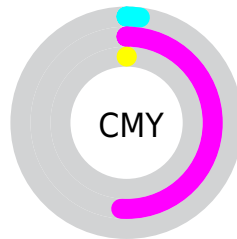
- Red (98%)
- Green (49%)
- Blue (100%)



- Red (98%)
- Yellow (49%)
- Blue (100%)



- Cyan (2%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5778, 42.2814, 99.3653 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 64.5778, 42.2814, 99.3653 by changing the saturation by 10% instead.


 64.5778, 42.2814,
99.3653

 64.5778, 42.2814,
99.3653

430.8424,
355.6481, 579.3851


 47.3822, 29.3217,
75.1567


 110.5117, 78.6253,
162.3289

 33.5471, 19.3243,
55.2387


 139.9808,
102.7784, 201.9210

 22.7072, 11.9049,
39.1930

 174.2718,
131.4313, 247.4780

 14.4969, 6.6789,
26.6009

213.7500,
164.9685, 299.4184

 8.5511, 3.2621,
17.0439

258.7808,
203.7744, 358.1608

 4.5043, 1.2701,
10.1035

309.7296,

 1.9912, 0.1178,

248.2334, 424.1237

5.3612

366.9617,
298.7298, 497.7256

■ 0.6290, 0.0000,
2.3983

■ 0.0000, 0.0000,
0.7855

■ 64.5778, 42.2814,
99.3653

■ 64.5778, 42.2814,
99.3653

■ 61.3021, 36.3545,
98.3939

■ 68.6898, 49.8750,
100.6142

■ 58.7940, 31.9599,
97.6778

■ 73.6915, 59.2451,
102.1592

■ 56.9811, 28.9517,
97.1927

■ 79.6370, 70.4987,
104.0180

■ 55.7749, 27.1530,
96.9091

■ 86.5746, 83.7326,
106.2068

■ 55.0615, 26.3001,
96.7821

94.5495, 99.0370,
108.7405

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



52.0259, 42.2814, 145.4295



64.5778, 42.2814, 99.3653



70.6325, 42.2814, 51.6446

Triad

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



64.5778, 42.2814, 99.3653



42.1002, 42.2814, 5.1866



21.6022, 42.2814, 84.5646

Complementary

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



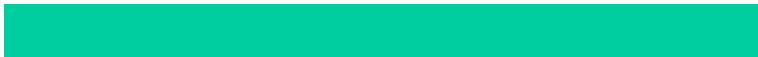
64.5778, 42.2814, 99.3653



49.0425, 77.9323, 32.1982

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.



20.0548, 42.2814, 40.8513



64.5778, 42.2814, 99.3653



30.2963, 42.2814, 6.9598

Square

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



64.5778, 42.2814, 99.3653



55.9977, 42.2814, 8.6055



22.8714, 42.2814, 16.3152



27.6737, 42.2814, 134.1232

Rectangle

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



64.5778, 42.2814, 99.3653



69.3881, 42.2814, 29.2686



22.8714, 42.2814, 16.3152



20.6005, 42.2814, 68.2302

Sweetspot

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



64.5792, 42.2832, 99.3655



83.3871, 77.6412, 105.1990



34.9681, 28.2823, 98.2238



17.5375, 16.0257, 22.4189



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.



64.5792, 42.2832, 99.3655



61.1835, 36.1431, 98.3593



58.7742, 40.2122, 57.4588



18.7043, 18.2548, 22.7877



28.8074, 13.7612, 50.5724



2.8296, 1.3526, 4.9252

Inverse Universe

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



52.8667, 37.8492, 26.3503



48.3818, 31.3241, 17.3188



53.0223, 79.4190, 57.9114



18.0436, 18.0008, 18.8468



21.5975, 11.1283, 1.2650



2.1144, 1.0881, 0.1837

Previews

White Background



This preview shows how the XYZ color 64.5778, 42.2814, 99.3653 looks on a white background.

Color Contrast Check

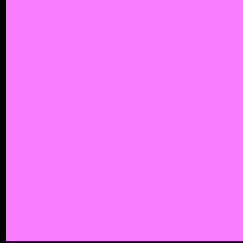
Large Text (above 18pt) WCAG AA × Fail

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 64.5778, 42.2814, 99.3653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

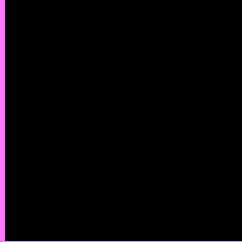
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5778, 42.2814, 99.3653

Background



This preview shows how black text looks on a background with the XYZ color 64.5778, 42.2814, 99.3653.



This preview shows how white text looks on a background with the XYZ color 64.5778, 42.2814,

99.3653.

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

64.5778, 42.2814, 99.3653

Protanopia

44.4796, 42.7448, 100.5140

Deuteranopia

43.7538, 42.5163, 93.8961



Tritanopia

52.0177, 42.0375, 38.6301

Trichromacy



Original Color

64.5778, 42.2814, 99.3653



Protanomaly

49.2998, 40.7300, 99.8710



Deuteranomaly

48.9842, 40.6591, 95.7087

Tritanomaly

55.6508, 41.6907, 56.7437

Monochromacy



Original Color

64.5778, 42.2814, 99.3653



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

47.8749, 41.5580, 63.2558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5778, 42.2814, 99.3653 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(249, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 126, 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(249, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 126, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.5778, 42.2814, 99.3653 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(249, 126, 255) }
```


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

```
.border{ border-color:rgb(249, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 126,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5778, 42.2814, 99.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 126, 255) }
```

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

```
.background{ background-color: rgb(249,  
126, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor