

Converting Colors

XYZ(65.0433, 42.3231, 99.3488)

Have a look what the booklet for
XYZ(65.0433, 42.3231, 99.3488)
contains.

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Color

**XYZ(65.1673, 42.3965,
99.3564)**

Conversions

Conversions Part 1

Format	Color
Hex	FB7DFF
RGB	251, 125, 255
RGB Percent	98%, 49%, 100%
CMY	0.0157, 0.5098, 0.0000
CMYK	0.02, 0.51, 0.00, 0.00
HSL	298°, 100%, 75%
HSV	298°, 51%, 100%
XYZ	65.1673, 42.3965, 99.3564
YIQ	177.4940, 33.3660, 67.1420

Conversions

Conversions Part 2

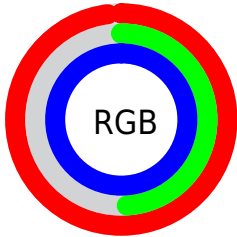
Format	Color
RYB	251, 125, 255
Decimal	16481791
CIELab	71.14, 65.28, -43.74
CIELCh	71, 78.576, 326.174
Yxy	42.3965, 0.3149, 0.2049
Android (android.graphics.Color)	4294671871 (0xFFFB7DFF)
YUV	177.4940, 38.2105, 64.4648
Hunter-Lab	65.1126, 64.7029, -44.8928

Details

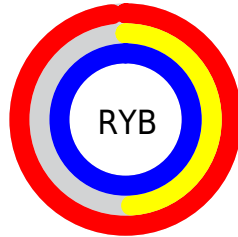
The XYZ color **65.1673, 42.3965, 99.3564** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **48.5160, 77.6683, 31.8385**, and the grayscale version is **41.8441, 44.0233, 47.9413**.

A 20% lighter version of the original color is **76.0179, 61.9359, 102.5560**, and **33.9984, 19.4179, 55.3822** is the 20% darker color. If you saturate the color by 10%, you get **62.0623, 36.6041, 98.4020**, and if you desaturate by 10%, it is **69.1047, 49.8501, 100.5876**.

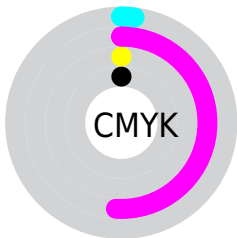
Distribution



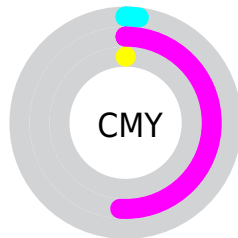
- Red (98%)
- Green (49%)
- Blue (100%)



- 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 65.1673, 42.3965, 99.3564 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 65.1673, 42.3965, 99.3564 by changing the saturation by 10% instead.


 65.1673, 42.3965,
99.3564

 65.1673, 42.3965,
99.3564


432.9286,
356.1240, 579.3563


 47.8620, 29.4119,
75.1493


 111.3547, 78.7994,
162.3166

 33.9284, 19.3926,
55.2327

 140.9675,
102.9864, 201.9068

 23.0012, 11.9543,
39.1882

 175.4135,
131.6764, 247.4616

 14.7151, 6.7126,
26.5972

215.0580,
165.2537, 299.3998

 8.7047, 3.2830,
17.0412

260.2664,
204.1027, 358.1399

 4.6046, 1.2812,
10.1016

311.4041,

 2.0496, 0.1266,

248.6078, 424.1002

5.3599

368.8364,
299.1534, 497.6995

■ 0.6616, 0.0000,
2.3975

■ 0.0000, 0.0000,
0.7851

■ 65.1673, 42.3965,
99.3564

■ 65.1673, 42.3965,
99.3564

■ 62.0623, 36.6041,
98.4020

■ 69.1047, 49.8501,
100.5876

■ 59.7207, 32.3378,
97.7019

■ 73.9283, 59.0752,
102.1139

■ 58.0696, 29.4508,
97.2317

■ 79.6921, 70.1789,
103.9534

■ 57.0199, 27.7647,
96.9616

■ 86.4447, 83.2586,
106.1221

■ 56.4631, 27.0227,
96.8477

94.2314, 98.4046,
108.6352

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.



52.5125, 42.3965, 146.4417



65.1673, 42.3965, 99.3564



71.1623, 42.3965, 51.1659

Triad

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



65.1673, 42.3965, 99.3564



42.0077, 42.3965, 5.0477



21.5951, 42.3965, 86.0458

Complementary

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



65.1673, 42.3965, 99.3564



48.5160, 77.6683, 31.8385

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.



19.9642, 42.3965, 41.4966



65.1673, 42.3965, 99.3564



30.1393, 42.3965, 6.8979

Square

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



65.1673, 42.3965, 99.3564



56.0772, 42.3965, 8.3502



22.7276, 42.3965, 16.4436



27.7947, 42.3965, 136.2538

Rectangle

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



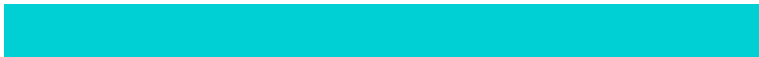
65.1673, 42.3965, 99.3564



69.7911, 42.3965, 28.7843



22.7276, 42.3965, 16.4436



20.5615, 42.3965, 69.4189

Sweetspot

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



65.1687, 42.3983, 99.3567



83.6070, 77.7545, 105.2093



34.4034, 27.3705, 98.0775



17.5911, 16.0533, 22.4214



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.



65.1687, 42.3983, 99.3567



62.0563, 36.5931, 98.4002



58.3498, 39.8390, 55.8514



18.7342, 18.2702, 22.7891



29.5279, 14.1327, 50.6062



2.8917, 1.3847, 4.9281

Inverse Universe

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



52.5371, 37.5139, 25.2423



48.2552, 31.2734, 16.6522



53.0462, 79.4116, 58.8028



18.0320, 17.9961, 18.7858



21.5810, 11.1217, 1.1782



2.1089, 1.0859, 0.1548

Previews

White Background



This preview shows how the XYZ color 65.1673, 42.3965, 99.3564 looks on a white background.

Color Contrast Check

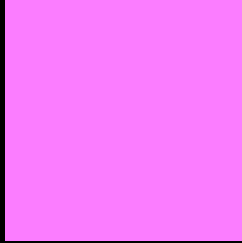
Large Text (above 18pt) WCAG AA × Fail

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 65.1673, 42.3965, 99.3564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

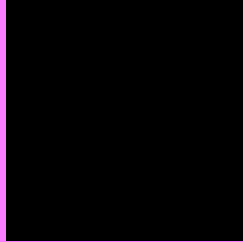
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.1673, 42.3965, 99.3564

Background



This preview shows how black text looks on a background with the XYZ color 65.1673, 42.3965, 99.3564.



This preview shows how white text looks on a background with the XYZ color 65.1673, 42.3965,

99.3564.

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

65.1673, 42.3965, 99.3564

Protanopia

44.4796, 42.7448, 100.5140

Deuteranopia

43.9448, 42.8984, 93.9598



Tritanopia

52.5317, 42.0686, 38.6090

Trichromacy



Original Color

65.1673, 42.3965, 99.3564



Protanomaly

49.5385, 40.8530, 99.8822



Deuteranomaly

49.1514, 40.9933, 95.7644

Tritanomaly

56.1906, 41.7510, 56.7269

Monochromacy



Original Color

65.1673, 42.3965, 99.3564



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

48.1481, 41.6989, 63.2686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1673, 42.3965, 99.3564 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(251, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 125, 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(251, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 125, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.1673, 42.3965, 99.3564 is called "border". The border property can be set on classes, ids or directly on the HTML element.

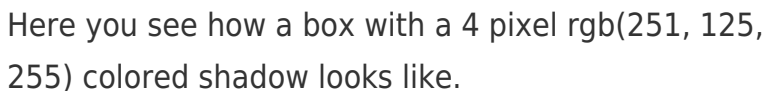
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(251, 125, 255) }
```


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

```
.border{ border-color:rgb(251, 125, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(251, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(251, 125, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(251, 125, 255); box-shadow:4px 4px 4px 4px rgb(251, 125, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1673, 42.3965, 99.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 125, 255) }
```

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

```
.background{ background-color: rgb(251,  
125, 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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