

Converting Colors

XYZ(70.4130, 43.1714,
107.1222)

Have a look what the booklet for
XYZ(70.4130, 43.1714, 107.1222)
contains.

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Color

**XYZ(65.4207, 40.7415,
99.0236)**

Conversions

Conversions Part 1

Format	Color
Hex	FF73FF
RGB	255, 115, 255
RGB Percent	100%, 45%, 100%
CMY	0.0000, 0.5490, 0.0000
CMYK	0.00, 0.55, 0.00, 0.00
HSL	300°, 100%, 73%
HSV	300°, 55%, 100%
XYZ	65.4207, 40.7415, 99.0236
YIQ	172.8200, 38.5000, 73.2200

Conversions

Conversions Part 2

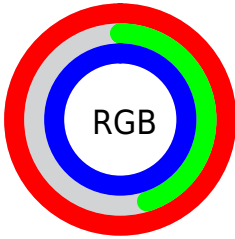
Format	Color
R_{YB}	255, 115, 255
Decimal	16741375
CIE _{Lab}	69.99, 70.80, -45.51
CIE _{LCh}	70, 84.162, 327.270
Yxy	40.7415, 0.3188, 0.1986
Android (android.graphics.Color)	4294931455 (0xFFFF73FF)
YUV	172.8200, 40.5147, 72.0719
Hunter-Lab	63.8291, 71.2502, -47.3014

Details

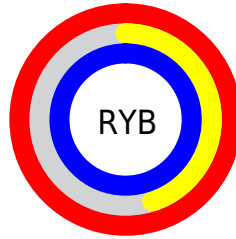
The XYZ color **65.4207, 40.7415, 99.0236** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **45.9260, 76.4033, 28.5485**, and the grayscale version is **39.4169, 41.4696, 45.1604**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **34.0649, 18.4117, 55.1845** is the 20% darker color. If you saturate the color by 10%, you get **62.9047, 35.7094, 98.1849**, and if you desaturate by 10%, it is **68.7423, 47.3846, 100.1308**.

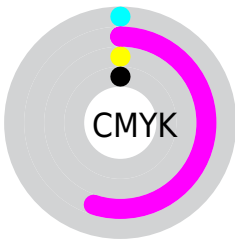
Distribution



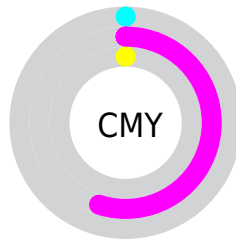
- Red (100%)
- Green (45%)
- Blue (100%)



- Red (100%)
- Yellow (45%)
- Blue (100%)



- Cyan (0%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4207, 40.7415, 99.0236 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 65.4207, 40.7415, 99.0236 by changing the saturation by 10% instead.


 65.4207, 40.7415,
99.0236


 65.4207, 40.7415,
99.0236


433.8236,
349.2391, 578.2776

 48.0683, 28.1172,
74.8730


 111.7168, 76.2913,
161.8549

 34.0924, 18.4140,
55.0078


 141.3912, 99.9856,
201.3727

 23.1278, 11.2476,
39.0093


 175.9036,
128.1386, 246.8500

 14.8091, 6.2336,
26.4591

215.6194,
161.1348, 298.7053

 8.7710, 2.9877,
16.9386

260.9040,
199.3586, 357.3572

 4.6480, 1.1253,
10.0292

312.1226,

 2.0749, 0.0000,

243.1943, 423.2241

5.3125

369.6407,
293.0263, 496.7248

■ 0.6755, 0.0000,
2.3698

■ 0.0000, 0.0000,
0.7699

■ 65.4207, 40.7415,
99.0236

■ 65.4207, 40.7415,
99.0236

■ 62.9047, 35.7094,
98.1849

■ 68.7423, 47.3846,
100.1308

■ 61.1238, 32.1476,
97.5913

■ 72.9274, 55.7549,
101.5258

■ 59.9994, 29.8989,
97.2165

■ 78.0315, 65.9630,
103.2272

■ 59.4340, 28.7680,
97.0280

■ 84.1046, 78.1092,
105.2515

■ 59.2900, 28.4800,
96.9800

■ 91.1932, 92.2864,
107.6144

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.



52.1098, 40.7415, 151.0838



65.4207, 40.7415, 99.0236



71.4980, 40.7415, 48.0574

Triad

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



65.4207, 40.7415, 99.0236



39.9937, 40.7415, 3.6015



19.6914, 40.7415, 88.7544

Complementary

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



65.4207, 40.7415, 99.0236



45.9260, 76.4033, 28.5485

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.



17.9001, 40.7415, 40.8584



65.4207, 40.7415, 99.0236



27.8518, 40.7415, 5.3950

Square

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



65.4207, 40.7415, 99.0236



54.8079, 40.7415, 6.3275



20.5029, 40.7415, 14.7692



26.1410, 40.7415, 143.0832

Rectangle

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



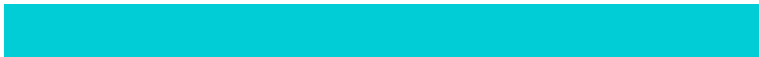
65.4207, 40.7415, 99.0236



69.7676, 40.7415, 25.5014



20.5029, 40.7415, 14.7692



18.6021, 40.7415, 70.7779

Sweetspot

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



65.4215, 40.7430, 99.0238



83.3872, 76.6744, 105.0124



31.2526, 23.1283, 97.4248



17.5681, 15.8512, 22.3836



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.



65.4215, 40.7430, 99.0238



62.6740, 35.2479, 98.1080



56.1288, 37.0259, 50.0892



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



65.4215, 40.7430, 99.0238



62.6740, 35.2479, 98.1080



51.5884, 78.6682, 58.3663



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 65.4207, 40.7415, 99.0236 looks on a white background.

Color Contrast Check

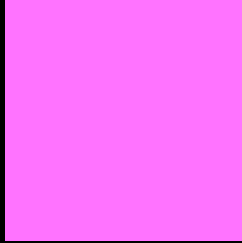
Large Text (above 18pt) WCAG AA × Fail

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 65.4207, 40.7415, 99.0236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

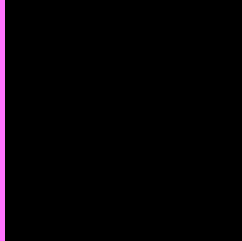
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.4207, 40.7415, 99.0236

Background



This preview shows how black text looks on a background with the XYZ color 65.4207, 40.7415, 99.0236.



This preview shows how white text looks on a background with the XYZ color 65.4207, 40.7415,

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

65.4207, 40.7415, 99.0236

Protanopia

43.0532, 41.1714, 100.2855

Deuteranopia

42.3370, 41.2429, 92.9181



Tritanopia

52.3026, 40.6677, 34.7988

Trichromacy



Original Color

65.4207, 40.7415, 99.0236



Protanomaly

48.0888, 38.6600, 99.5353



Deuteranomaly

47.7724, 38.8426, 94.6020

Tritanomaly

55.7943, 39.9508, 52.9147

Monochromacy



Original Color

65.4207, 40.7415, 99.0236



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

46.6363, 39.4648, 61.6594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4207, 40.7415, 99.0236 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(255, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 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(255, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.4207, 40.7415, 99.0236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

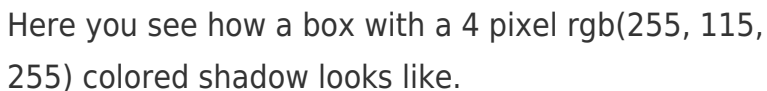
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 115, 255) }
```


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

```
.border{ border-color:rgb(255, 115, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 115, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 115, 255); box-shadow:4px 4px 4px 4px rgb(255, 115, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4207, 40.7415, 99.0236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 255) }
```

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

```
.background{ background-color: rgb(255,  
115, 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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