

Converting Colors

XYZ(87.1382, 52.2063,
102.5223)

Have a look what the booklet for
XYZ(87.1382, 52.2063, 102.5223)
contains.

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Color

**XYZ(65.6513, 41.2026,
99.1004)**

Conversions

Conversions Part 1

Format	Color
Hex	FF75FF
RGB	255, 117, 255
RGB Percent	100%, 46%, 100%
CMY	0.0000, 0.5412, 0.0000
CMYK	0.00, 0.54, 0.00, 0.00
HSL	300°, 100%, 73%
HSV	300°, 54%, 100%
XYZ	65.6513, 41.2026, 99.1004
YIQ	173.9940, 37.9500, 72.1740

Conversions

Conversions Part 2

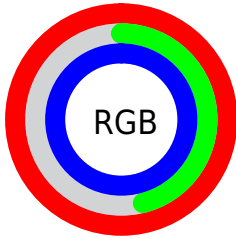
Format	Color
R _Y B	255, 117, 255
Decimal	16741887
CIE Lab	70.32, 69.92, -45.00
CIE LCh	70, 83.151, 327.238
Yxy	41.2026, 0.3188, 0.2001
Android (android.graphics.Color)	4294931967 (0xFFFF75FF)
YUV	173.9940, 39.9360, 71.0423
Hunter-Lab	64.1893, 70.2345, -46.6041

Details

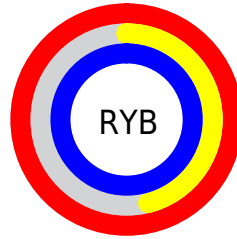
The XYZ color **65.6513, 41.2026, 99.1004** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **46.3083, 76.5869, 29.1737**, and the grayscale version is **40.0182, 42.1023, 45.8494**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **34.1618, 18.6056, 55.2168** is the 20% darker color. If you saturate the color by 10%, you get **63.0745, 36.0491, 98.2415**, and if you desaturate by 10%, it is **69.0385, 47.9771, 100.2295**.

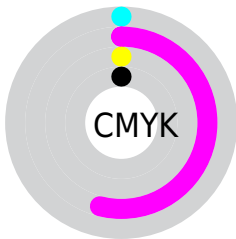
Distribution



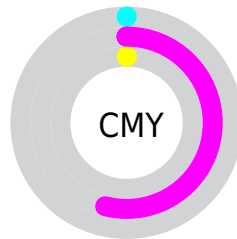
- Red (100%)
- Green (46%)
- Blue (100%)



- Red (100%)
- Yellow (46%)
- Blue (100%)



- Cyan (0%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6513, 41.2026, 99.1004 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 65.6513, 41.2026, 99.1004 by changing the saturation by 10% instead.


 65.6513, 41.2026,
99.1004


 65.6513, 41.2026,
99.1004


434.6371,
351.1667, 578.5266

 48.2560, 28.4774,
74.9368

 112.0462, 76.9914,
161.9615

 34.2418, 18.6859,
55.0597


 141.7766,
100.8237, 201.4960

 23.2432, 11.4435,
39.0506


 176.3494,
129.1273, 246.9912

 14.8949, 6.3660,
26.4909

216.1300,
162.2864, 298.8656

 8.8315, 3.0689,
16.9622

261.4837,
200.6855, 357.5378

 4.6876, 1.1678,
10.0459

312.7758,

 2.0980, 0.0352,

244.7090, 423.4264

5.3234

370.3719,
294.7413, 496.9498

■ 0.6881, 0.0000,
2.3762

■ 0.0000, 0.0000,
0.7734

■ 65.6513, 41.2026,
99.1004

■ 65.6513, 41.2026,
99.1004

■ 63.0745, 36.0491,
98.2415

■ 69.0385, 47.9771,
100.2295

■ 61.2386, 32.3772,
97.6295

■ 73.2938, 56.4877,
101.6479

■ 60.0660, 30.0320,
97.2387

■ 78.4721, 66.8443,
103.3740

■ 59.4609, 28.8218,
97.0370

■ 84.6232, 79.1464,
105.4244

■ 59.2900, 28.4800,
96.9800

■ 91.7933, 93.4866,
107.8144

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.



52.4502, 41.2026, 150.4356



65.6513, 41.2026, 99.1004



71.6782, 41.2026, 48.5853

Triad

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



65.6513, 41.2026, 99.1004



40.4410, 41.2026, 3.8720



20.1481, 41.2026, 88.8301

Complementary

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



65.6513, 41.2026, 99.1004



46.3083, 76.5869, 29.1737

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.



18.3544, 41.2026, 41.3352



65.6513, 41.2026, 99.1004



28.3319, 41.2026, 5.7172

Square

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



65.6513, 41.2026, 99.1004



55.1587, 41.2026, 6.6850



20.9716, 41.2026, 15.2329



26.6020, 41.2026, 142.4614

Rectangle

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



65.6513, 41.2026, 99.1004



69.9729, 41.2026, 26.0649



20.9716, 41.2026, 15.2329



19.0564, 41.2026, 71.0392

Sweetspot

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



65.6520, 41.2041, 99.1007



83.3872, 76.6744, 105.0124



31.7490, 23.7265, 97.5140



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.



65.6520, 41.2041, 99.1007



62.8832, 35.6664, 98.1777



56.4653, 37.5294, 50.7240



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.



65.6520, 41.2041, 99.1007



62.8832, 35.6664, 98.1777



51.9603, 78.8477, 58.9367



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 65.6513, 41.2026, 99.1004 looks on a white background.

Color Contrast Check

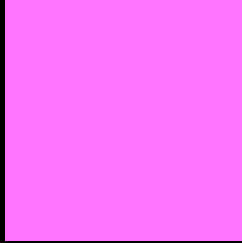
Large Text (above 18pt) WCAG AA × Fail

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 65.6513, 41.2026, 99.1004 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 65.6513, 41.2026, 99.1004

Background



This preview shows how black text looks on a background with the XYZ color 65.6513, 41.2026, 99.1004.



This preview shows how white text looks on a background with the XYZ color 65.6513, 41.2026,

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

65.6513, 41.2026, 99.1004

Protanopia

43.5801, 41.7202, 100.3636

Deuteranopia

42.5109, 41.3326, 92.9262



Tritanopia

52.6173, 41.0327, 35.7187

Trichromacy



Original Color

65.6513, 41.2026, 99.1004



Protanomaly

48.6450, 39.4205, 99.6528



Deuteranomaly

47.9327, 39.1631, 94.6554

Tritanomaly

56.2868, 40.5859, 54.1574

Monochromacy



Original Color

65.6513, 41.2026, 99.1004



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

46.7993, 39.7908, 61.7137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6513, 41.2026, 99.1004 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, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 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, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.6513, 41.2026, 99.1004 is called "border". The border property can be set on classes, ids or directly on the HTML element.

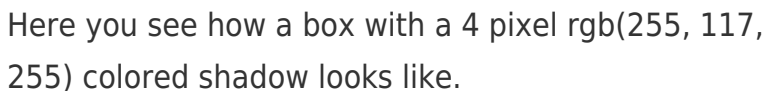
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 117, 255) }
```


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

```
.border{ border-color:rgb(255, 117, 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, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 117, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 117, 255); box-shadow:4px 4px 4px 4px rgb(255, 117, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6513, 41.2026, 99.1004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 255) }
```

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

```
.background{ background-color: rgb(255,  
117, 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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