

Converting Colors

XYZ(86.2149, 48.3808,
132.7416)

Have a look what the booklet for
XYZ(86.2149, 48.3808, 132.7416)
contains.

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Color

**XYZ(63.8472, 37.5943,
98.4991)**

Conversions

Conversions Part 1

Format	Color
Hex	FF64FF
RGB	255, 100, 255
RGB Percent	100%, 39%, 100%
CMY	0.0000, 0.6078, 0.0000
CMYK	0.00, 0.61, 0.00, 0.00
HSL	300°, 100%, 70%
HSV	300°, 61%, 100%
XYZ	63.8472, 37.5943, 98.4991
YIQ	164.0150, 42.6250, 81.0650

Conversions

Conversions Part 2

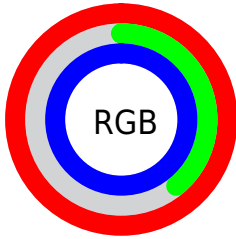
Format	Color
RYB	255, 100, 255
Decimal	16737535
CIELab	67.72, 77.03, -49.08
CIELCh	68, 91.340, 327.496
Yxy	37.5943, 0.3193, 0.1880
Android (android.graphics.Color)	4294927615 (0xFFFF64FF)
YUV	164.0150, 44.8556, 79.7938
Hunter-Lab	61.3142, 78.5744, -52.3274

Details

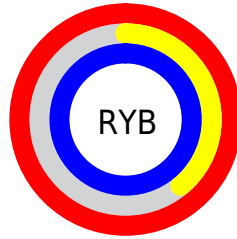
The XYZ color **63.8472, 37.5943, 98.4991** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.3168, 75.1499, 24.2806**, and the grayscale version is **35.0743, 36.9009, 40.1851**.

A 20% lighter version of the original color is **71.6881, 53.2763, 101.1127**, and **33.1630, 16.6079, 54.8838** is the 20% darker color. If you saturate the color by 10%, you get **61.7727, 33.4455, 97.8076**, and if you desaturate by 10%, it is **66.6879, 43.2758, 99.4460**.

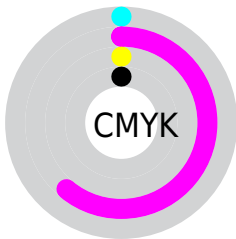
Distribution



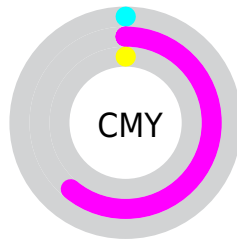
- Red (100%)
- Green (39%)
- Blue (100%)



- Red (100%)
- Yellow (39%)
- Blue (100%)



- Cyan (0%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8472, 37.5943, 98.4991 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 63.8472, 37.5943, 98.4991 by changing the saturation by 10% instead.


 63.8472, 37.5943,
98.4991


 63.8472, 37.5943,
98.4991

428.2486,
335.8764, 576.5754


 46.7881, 25.6680,
74.4378

 109.4658, 71.4859,
161.1269


 33.0755, 16.5754,
54.6535


 138.7561, 94.2199,
200.5305

 22.3438, 9.9322,
38.7276

 172.8541,
121.3253, 245.8852

 14.2277, 5.3540,
26.2417

 212.1253,
153.1864, 297.6097

 8.3620, 2.4565,
16.7772

256.9350,
190.1877, 356.1224

 4.3812, 0.8547,
9.9155

307.6486,

 1.9200, 0.0000,

232.7136, 421.8419

5.2381

364.6313,
281.1483, 495.1867

■ 0.5884, 0.0000,
2.3264

■ 0.0000, 0.0000,
0.7460

■ 63.8472, 37.5943,
98.4991

■ 63.8472, 37.5943,
98.4991

■ 61.7727, 33.4455,
97.8076

■ 66.6879, 43.2758,
99.4460

■ 60.3886, 30.6772,
97.3462

■ 70.3577, 50.6154,
100.6692

■ 59.6066, 29.1131,
97.0855

■ 74.9149, 59.7297,
102.1883

■ 59.2900, 28.4800,
96.9800

■ 80.4121, 70.7242,
104.0207

86.8979, 83.6957,
106.1826

94.4174, 98.7348,
108.6891

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.



49.7800, 37.5943, 155.7940



63.8472, 37.5943, 98.4991



70.2719, 37.5943, 44.4240

Triad

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



63.8472, 37.5943, 98.4991



36.9310, 37.5943, 2.0369



16.6634, 37.5943, 88.3115

Complementary

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



63.8472, 37.5943, 98.4991



43.3168, 75.1499, 24.2806

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.



14.9020, 37.5943, 37.6314



63.8472, 37.5943, 98.4991



24.6122, 37.5943, 3.4558

Square

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



63.8472, 37.5943, 98.4991



52.3856, 37.5943, 4.1513



17.3866, 37.5943, 11.7663



23.0451, 37.5943, 147.6627

Rectangle

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



63.8472, 37.5943, 98.4991



68.3599, 37.5943, 21.7348



17.3866, 37.5943, 11.7663



15.5987, 37.5943, 69.0212

Sweetspot

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



63.8478, 37.5956, 98.4993



82.1150, 74.1300, 104.5883



27.8641, 19.0453, 96.8153



17.1951, 15.1051, 22.2592



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.



63.8478, 37.5956, 98.4993



61.4089, 32.7178, 97.6863



53.7839, 33.5701, 45.5034



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.



63.8478, 37.5956, 98.4993



61.4089, 32.7178, 97.6863



49.0024, 77.4241, 54.2202



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 63.8472, 37.5943, 98.4991 looks on a white background.

Color Contrast Check

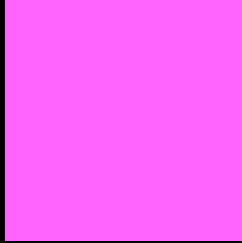
Large Text (above 18pt) WCAG AA × Fail

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 63.8472, 37.5943, 98.4991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

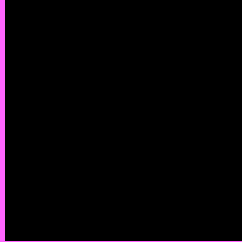
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8472, 37.5943, 98.4991

Background



This preview shows how black text looks on a background with the XYZ color 63.8472, 37.5943, 98.4991.



This preview shows how white text looks on a background with the XYZ color 63.8472, 37.5943,

98.4991.

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

63.8472, 37.5943, 98.4991

Protanopia

40.1763, 37.8065, 99.7876

Deuteranopia

38.8105, 37.8284, 90.8440



Tritanopia

49.7517, 37.3328, 30.1749

Trichromacy



Original Color

63.8472, 37.5943, 98.4991



Protanomaly

44.9618, 34.7992, 98.9549



Deuteranomaly

44.1473, 34.9410, 93.2244

Tritanomaly

53.6215, 36.6260, 49.0431

Monochromacy



Original Color

63.8472, 37.5943, 98.4991



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

42.6289, 34.9513, 57.3228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8472, 37.5943, 98.4991 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, 100, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 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, 100, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.8472, 37.5943, 98.4991 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, 100, 255) }
```


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

```
.border{ border-color:rgb(255, 100, 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, 100, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8472, 37.5943, 98.4991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 255) }
```

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

```
.background{ background-color: rgb(255,  
100, 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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